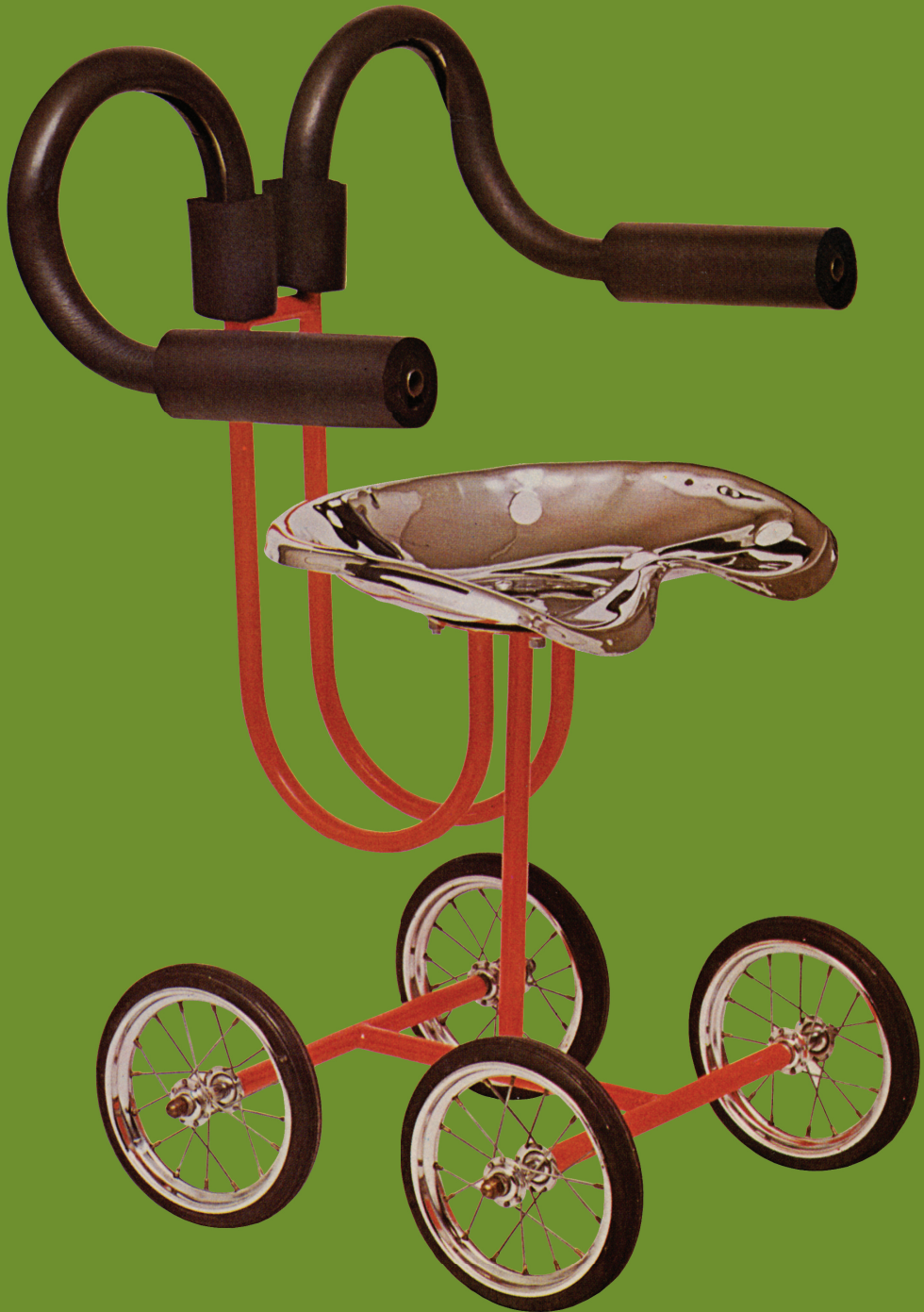


THE MIT PRESS

spring 2013



art/photography/design

VARIOUS SMALL BOOKS

Referencing Various Small Books by Ed Ruscha

edited and compiled by **Jeff Brouws, Wendy Burton, and Hermann Zschiegner**

with text by Phil Taylor and an essay by Mark Rawlinson

In the 1960s and 1970s, the artist Ed Ruscha created a series of small photo-conceptual artist's books, among them *Twentysix Gas Stations*, *Various Small Fires*, *Every Building on the Sunset Strip*, *Thirtyfour Parking Lots*, *Real Estate Opportunities*, and *A Few Palm Trees*. Featuring mundane subjects photographed prosaically, with idiosyncratically deadpan titles, these "small books" were sought after, collected, and loved by Ruscha's fans and fellow artists. Over the past thirty years, close to 100 other small books that appropriated or paid homage to Ruscha's have appeared throughout the world. This book collects ninety-one of these projects, showcasing the cover and sample layouts from each along with a description of the work. It also includes selections from Ruscha's books and an appendix listing all known Ruscha book tributes.

These small books revisit, imitate, honor, and parody Ruscha in form, content, and title. Some rephotograph his subjects: *Thirtyfour Parking Lots*, *Forty Years Later*. Some offer a humorous variation: *Various Unbaked Cookies* (which concludes, as did Ruscha's *Various Small Fires*, with a glass of milk), *Twentynine Palms* (twenty-nine photographs of palm-readers' signs). Some say something different: *None of the Buildings on Sunset Strip*. Some reach for a connection with Ruscha himself: *17 Parked Cars in Various Parking Lots Along Pacific Coast Highway Between My House and Ed Ruscha's*.

With his books, Ruscha expanded the artist's field of permissible subjects, approaches, and methods. With *VARIOUS SMALL BOOKS*, various artists pay tribute to Ed Ruscha and extend the legacy of his books.

Jeff Brouws is a photographer whose work is in many private and public collections, including Harvard's Fogg Museum, the Los Angeles County Museum of Art, Princeton University Art Museum, and the Whitney Museum of Modern Art. His homages to Ruscha include *Twentysix Abandoned Gas Stations*. **Wendy Burton** is a photographer whose work is in such collections as the San Francisco Museum of Art, the Santa Barbara Museum of Art, and the University of Louisville Photographic Archive. Her homage to Ruscha is *Various Small Nests*. **Hermann Zschiegner** is a principal in the award-winning New York-based design agency TWO-N, a member of the ABC Artists' Book Cooperative, and the author of *Thirtyfour Parking Lots on Google Earth*.

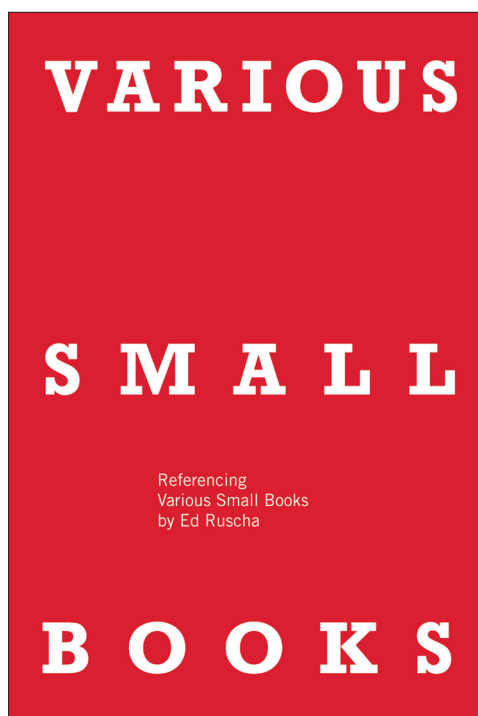
- National Publicity Campaign
- National Broadcast Campaign
- Print and Online Advertising Campaign:
New York Review of Books, Bookforum, Art in America, ArtNews, Art Journal, Bomb, Cabinet, Grey Room, Times Literary Supplement
- Web Site Feature
- Email Campaign
- Outreach to Ruscha Web Sites and Fan Base

Riffs, revisions, knockoffs, and homages: artists pay tribute to Ed Ruscha's famous photo-conceptual small books.

January
6 x 9, 288 pp.
298 color illus.,
55 black & white illus.

\$39.95T/£27.95 cloth
978-0-262-01877-7

EXHIBITION
Gagosian Gallery, New York
Spring 2013



science/robotics

Robot Futures

Illah Reza Nourbakhsh

With robots, we are inventing a new species that is part material and part digital. The ambition of modern robotics goes beyond copying humans, beyond the effort to make walking, talking androids that are indistinguishable from people. Future robots will have superhuman abilities in both the physical and digital realms. They will be embedded in our physical spaces, with the ability to go where we cannot, and will have minds of their own, thanks to artificial intelligence. They will be fully connected to the digital world, far better at carrying out online tasks than we are. In *Robot Futures*, the roboticist Illah Reza Nourbakhsh considers how we will share our world with these creatures, and how our society could change as it incorporates a race of stronger, smarter beings.

Nourbakhsh imagines a future that includes adbots offering interactive custom messaging; robotic flying toys that operate by means of “gaze tracking”; robot-enabled multimodal, multicontinental telepresence; and even a way that nanorobots could allow us to assume different physical forms. Nourbakhsh follows each glimpse into the robotic future with an examination of the underlying technology and an exploration of the social consequences of the scenario.

Each chapter describes a form of technological empowerment—in some cases, empowerment run amok, with corporations and institutions amassing even more power and influence and individuals becoming unconstrained by social accountability. (Imagine the hotheaded discourse of the Internet taking physical form.) Nourbakhsh also offers a counter-vision: a robotics designed to create civic and community empowerment. His book helps us understand why that is the robot future we should try to bring about.

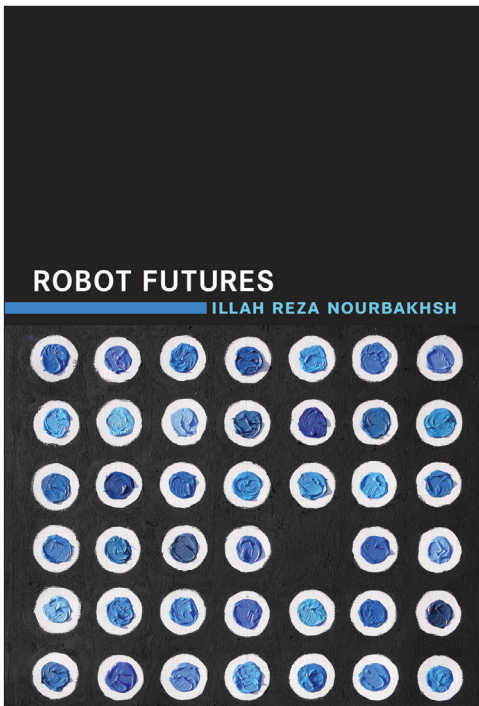
Illah Reza Nourbakhsh is Professor of Robotics at Carnegie Mellon University, where he also directs the Community Robotics, Education, and Technology Empowerment (CREATE) Lab. He is a coauthor of *Introduction to Autonomous Mobile Robots* (MIT Press).

- National Publicity Campaign
- National Broadcast Campaign
- Author Podcast
- Print and Online Advertising Campaign: *The Atlantic*, *New York Review of Books*, *Bookforum*, *Science*, *Technology and Human Values*, *Interactions*, *IEEE Technology and Society*, *American Scientist*
- Web Site Feature
- Email Campaign
- Outreach to Sci-Fi Web Sites/Email Lists
- Outreach to Robotics Email Lists

A roboticist imagines life with robots that sell us products, drive our cars, even allow us to assume new physical form, and more.

March
5 3/8 x 8, 160 pp.

\$24.95T/£17.95 cloth
978-0-262-01862-3



current affairs/international politics

Lee Kuan Yew

The Grand Master's Insights on China, the United States, and the World

Interviews and Selections by Graham Allison and Robert D. Blackwill, with Ali Wyne

foreword by Henry A. Kissinger

"I have had the privilege of meeting many world leaders over the past half century; none, however, has taught me more than Lee Kuan Yew, Singapore's first premier and its guiding spirit ever since."

—from the foreword by Henry A. Kissinger

When Lee Kuan Yew speaks, presidents, prime ministers, diplomats, and CEOs listen. Lee, the founding father of modern Singapore and its prime minister from 1959 to 1990, has honed his wisdom during more than fifty years on the world stage. Almost single-handedly responsible for transforming Singapore into a Western-style economic success, he offers a unique perspective on the geopolitics of East and West. American presidents from Richard Nixon to Barack Obama have welcomed him to the White House; British prime ministers from Margaret Thatcher to Tony Blair have recognized his wisdom; and business leaders from Rupert Murdoch to Rex Tillerson, CEO of Exxon Mobil, have praised his accomplishments. This book gathers key insights from interviews, speeches, and Lee's voluminous published writings and presents them in an engaging question and answer format.

Lee offers his assessment of China's future, asserting, among other things, that "China will want to share this century as co-equals with the U.S." He affirms the United States' position as the world's sole superpower but expresses dismay at the vagaries of its political system. He offers strategic advice for dealing with China and goes on to discuss India's future, Islamic terrorism, economic growth, geopolitics and globalization, and democracy. Lee does not pull his punches, offering his unvarnished opinions on multiculturalism, the welfare state, education, and the free market. This little book belongs on the reading list of every world leader—including the one who takes the oath of office on January 20, 2013.

Graham Allison is Douglas Dillon Professor of Government and Director of the Belfer Center for International Affairs at the Harvard Kennedy School. **Robert D. Blackwill** is Henry A. Kissinger Senior Fellow for U.S. Foreign Policy at the Council on Foreign Relations. **Ali Wyne** is a researcher at the Belfer Center.

- National Publicity Campaign
- Print and Online Advertising Campaign: *New York Review of Books, The Progressive, The Nation, Bookforum, Harper's, London Review of Books, Times Literary Supplement, Mother Jones, The Atlantic, New Republic, World Politics, International Studies, Foreign Affairs*
- Web Site Feature
- Email Campaign

Grand strategist and founder of modern Singapore offers key insights and controversial opinions on globalization, geopolitics, economic growth, and democracy.

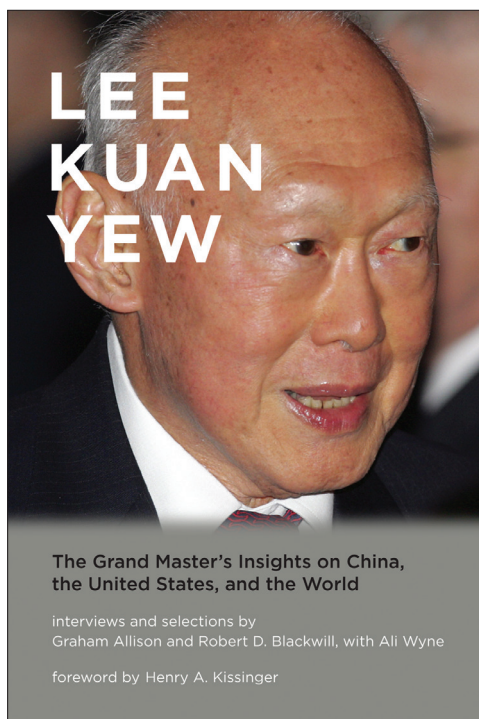
March
5 3/8 x 8, 232 pp.

\$17.95T/£12.95 cloth
978-0-262-01912-5

Belfer Center Studies
in International Security

"Lee Kuan Yew has been one of the most remarkable and fascinating leaders of the past half-century. This book includes some of his most penetrating and insightful analyses of today's global issues and is a must-read for anyone trying to understand the future of world politics."

—Fareed Zakaria, editor-at-large, *Time*, and author of *The Post-American World*



The Grand Master's Insights on China, the United States, and the World

interviews and selections by
Graham Allison and Robert D. Blackwill, with Ali Wyne

foreword by Henry A. Kissinger

film/technology

Moving Innovation

A History of Computer Animation

Tom Sito

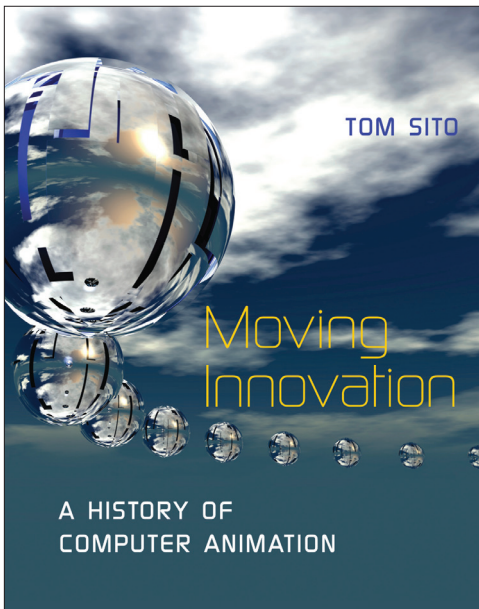
Computer graphics (or CG) has changed the way we experience the art of moving images. Computer graphics are the difference between Steamboat Willie and Buzz Lightyear, between ping pong and *PONG*. It began in 1963 when an MIT graduate student named Ivan Sutherland created the first true computer animation program. Instead of presenting a series of numbers, Sutherland's Sketchpad program drew lines that created recognizable images. Sutherland noted: "Since motion can be put into Sketchpad drawings, it might be exciting to try making cartoons." This book, the first full-length history of CG, shows us how Sutherland's seemingly offhand idea grew into a multibillion dollar industry.

In *Moving Innovation*, Tom Sito—himself an animator and industry insider for more than thirty years—describes the evolution of CG. The history of traditional cinema technology is a fairly straight path from Lumière to MGM. Writing the history of CG, Sito maps simultaneous accomplishments in multiple locales—academia, the military-industrial complex, movie special effects, video games, experimental film, corporate research, and commercial animation. His story features a memorable cast of characters—math nerds, avant-garde artists, cold warriors, hippies, video game enthusiasts, and studio executives: disparate types united by a common vision. Computer animation did not begin just with Pixar; Sito shows us how fifty years of work by this motley crew made movies like *Toy Story* and *Avatar* possible.

A behind-the-scenes history of computer graphics, featuring a cast of math nerds, avant-garde artists, cold warriors, hippies, video game players, and studio executives.

May
7 x 9, 336 pp.
75 illustrations

\$29.95T/£20.95 cloth
978-0-262-01909-5



Tom Sito has been a professional animator since 1975. One of the key players in Disney's animation revival of the 1980s and 1990s, he worked on such classic Disney films as *The Little Mermaid* (1989), *Beauty and the Beast* (1991), and *The Lion King* (1994). He left Disney to help set up the Dreamworks Animation Unit in 1995. He is Professor of Cinema Practice in the School of Cinematic Arts at the University of Southern California.

- National Publicity Campaign
- National Broadcast Campaign
- Author Podcast
- Print and Online Advertising Campaign: *Cinema Journal*, *Bookforum*, *Isis*, *New York Review of Books*, *Interactions*, *History and Technology*
- Web Site Feature
- Email Campaign
- Email Outreach to Computer Graphics Fans/Students

history/business/innovation

America's Assembly Line

David E. Nye

The assembly line was invented in 1913 and has been in continuous operation ever since. It is the most familiar form of mass production. Both praised as a boon to workers and condemned for exploiting them, it has been celebrated and satirized. (We can still picture Chaplin's little tramp trying to keep up with a factory conveyor belt.) In *America's Assembly Line*, David Nye examines the industrial innovation that made the United States productive and wealthy in the twentieth century.

The assembly line—developed at the Ford Motor Company in 1913 for the mass production of Model Ts—first created and then served an expanding mass market. It inspired fiction, paintings, photographs, comedy, cafeteria layouts, and cookie-cutter suburban housing. It also transformed industrial labor and provoked strikes and union drives. During World War II and the Cold War, it was often seen as a bastion of liberty and capitalism. By 1980, Japan had reinvented the assembly line as a system of “lean manufacturing”; American industry reluctantly adopted this new approach. Nye describes this evolution and the new global landscape of increasingly automated factories, with fewer industrial jobs in America and questionable working conditions in developing countries. A century after Ford's pioneering innovation, the assembly line continues to evolve toward more sustainable manufacturing.

David E. Nye is Professor of American Studies at the Danish Institute of Advanced Studies at the University of Southern Denmark. Recipient of the 2005 Leonardo da Vinci Medal of the Society for the History of Technology, he is the author of *Technology Matters: Questions to Live With*, *When the Lights Went Out: A History of Blackouts in America*, and five other books published by the MIT Press.

- **National Publicity Campaign**
- **National Broadcast Campaign**
- **Print and Online Advertising Campaign:**
The Nation, The Atlantic, Bookforum, Isis, Journal of American History, Technology and Culture, New York Review of Books, Harper's Magazine
- **Assembly Line Anniversary Promotion**
- **Email Campaign**
- **Email Outreach to Auto Enthusiasts**

From the Model T to today's "lean manufacturing": the assembly line as crucial, yet controversial, agent of social and economic transformation.

March
6 x 9, 360 pp.
50 illustrations

\$29.95T/£20.95 cloth
978-0-262-01871-5

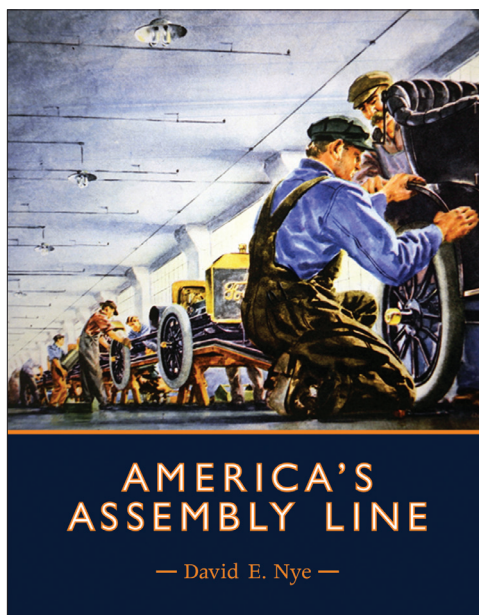
Also available

Technology Matters
Questions to Live With
David E. Nye

2007, 978-0-262-64067-1
\$16.95T/£11.95 paper

When the Lights Went Out
A History of Blackouts in America
David E. Nye

2010, 978-0-262-01374-1
\$27.95T/£19.95 cloth



environment/business

Eco-Business

A Big-Brand Takeover of Sustainability

Peter Dauvergne and Jane Lister

Two experts explain the consequences for the planet when corporations use sustainability as a business tool.

March
5 3/8 x 8, 208 pp.
4 illus.

\$24.95T/£17.95 cloth
978-0-262-01876-0

Also available

The Shadows of Consumption

Consequences for the Global Environment

Peter Dauvergne

2010, 978-0-262-51492-7
\$14.95T/£10.95 paper

McDonald's promises to use only beef, coffee, fish, chicken, and cooking oil obtained from sustainable sources. Coca-Cola promises to achieve water neutrality. Unilever has set a deadline of 2020 to reach 100 percent sustainable agricultural sourcing. Walmart has pledged to become carbon neutral. Today, big-brand companies seem to be making commitments that go beyond the usual "greenwashing" efforts undertaken largely for public relations purposes. In *Eco-Business*, Peter Dauvergne and Jane Lister examine this new corporate embrace of sustainability, its actual accomplishments, and the consequences for the environment.

For many leading-brand companies, these corporate sustainability efforts go deep, reorienting central operations and extending through global supply chains. Yet, as Dauvergne and Lister point out, these companies are doing this not for the good of the planet but for their own profits and market share in a volatile, globalized economy. They are using sustainability as a business tool.

Advocacy groups and governments are partnering with these companies, eager to reap the governance potential of eco-business efforts. But Dauvergne and Lister show that the acclaimed eco-efficiencies achieved by big-brand companies limit the potential for finding deeper solutions to pressing environmental problems and reinforce runaway consumption. Eco-business promotes the sustainability of big business, not the sustainability of life on Earth.

Peter Dauvergne is Professor of Political Science and Director of the Liu Institute for Global Issues at the University of British Columbia. He is the author of the award-winning *The Shadows of Consumption: Consequences for the Global Environment* (MIT Press) and other books. **Jane Lister**, a Senior Research Fellow at the Liu Institute for Global Issues, is a sustainability practitioner and the author of *Corporate Social Responsibility and the State: International Approaches to Forest Co-Regulation*. Dauvergne and Lister are the coauthors of *Timber*.

- National Publicity Campaign
- National Broadcast Campaign
- Print and Online Advertising Campaign: *E Magazine*, *New York Review of Books*, *London Review of Books*, *Mother Jones*, *The Nation*, *Environment*, *The Progressive*, *American Prospect*, *World Politics*, *The Nation*
- Web Site Feature
- Email Campaign



design

Adhocism

The Case for Improvisation

Expanded and Updated Edition

Charles Jencks and Nathan Silver

When this book first appeared in 1972, it was part of the spirit that would define a new architecture and design era—a new way of thinking ready to move beyond the purist doctrines and formal models of modernism. Charles Jencks's and Nathan Silver's book was a manifesto for a generation that took pleasure in doing things ad hoc, using materials at hand to solve real-world problems. The implications were subversive. Turned-off citizens of the 1970s immediately adopted the book as a DIY guide. The word "adhocism" entered the vocabulary, the concept of adhocism became part of the designer's toolkit, and *Adhocism* became a cult classic. Now *Adhocism* is available again, with new texts by Jencks and Silver reflecting on the past forty years of adhocism and new illustrations demonstrating adhocism's continuing relevance.

Adhocism has always been around. (Think Robinson Crusoe, making a raft and then a shelter from the wreck of his ship.) As a design principle, adhocism starts with everyday improvisations: a bottle as a candleholder, a dictionary as a doorstop, a tractor seat on wheels as a dining room chair. But it is also an undeveloped force within the way we approach almost every activity, from play to architecture to city planning to political revolution.

Engagingly written, filled with pictures and examples from areas as diverse as auto mechanics and biology, *Adhocism* urges us to pay less attention to the rulebook and more to the real principle of how we actually do things. It declares that problems are not necessarily solved in a genius's "eureka!" moment but by trial and error, adjustment and readjustment.

Charles Jencks is an architectural theorist, landscape architect, and designer living in Scotland. **Nathan Silver** is an architect, writer, and former architecture school head living in London. He is the author of *Lost New York*, nominated for the National Book Award.

"An amusing ode to a method of design that was as subversive as it was sustainable when the book was first published in the early 1970s."

—Jane Herman, "Off the Shelf," *The New York Times*

"*Adhocism* is not only an informative and witty book, but an ultimately humane one."

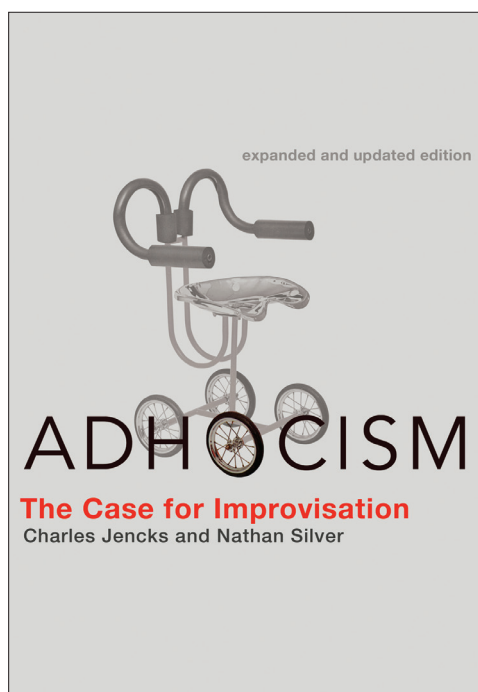
—John Hollander, poet

- **Print and Online Advertising Campaign:** *Design and Culture, Design Issues, Harper's Magazine, Times Literary Supplement, Innovation, Bookforum, New York Review of Books, Facebook/Google Campaign*
- **Web Site Feature**
- **Email Campaign**
- **Designers & Books Highlight**
- **Email Outreach to Design Groups**

The triumphant return of a book that gave us permission to throw out the rulebook, in activities ranging from play to architecture to revolution.

April
7 x 10, 256 pp.
244 illus.

\$24.95T/£17.95 paper
978-0-262-51844-4



art

The Global Contemporary and the Rise of New Art Worlds

edited by Hans Belting, Andrea Buddensieg, and Peter Weibel

Mapping the new geography
of the visual arts, from the
explosion of biennials to the
emerging art markets in Asia
and the Middle East.

March
9 x 10 1/2, 464 pp.
400 illus. in color and
black & white

\$50.00T/£34.95 paper
978-0-262-51834-5

Copublished with ZKM | Center
for Art and Media, Karlsruhe

Also available

Buffalo Heads

Media Study, Media Practice,
Media Pioneers, 1973–1990
edited by Woody Vasulka
and Peter Weibel

2007, 978-0-262-72050-2
\$59.95T/£39.95 paper

The geography of the visual arts changed with the end of the Cold War. Contemporary art was no longer defined, exhibited, interpreted, and acquired according to a blueprint drawn up in New York, London, Paris, or Berlin. The art world distributed itself into art worlds. With the emergence of new art scenes in Asia and the Middle East and the explosion of biennials, the visual arts have become globalized as surely as the world economy has. This book offers a new map of contemporary art's new worlds.

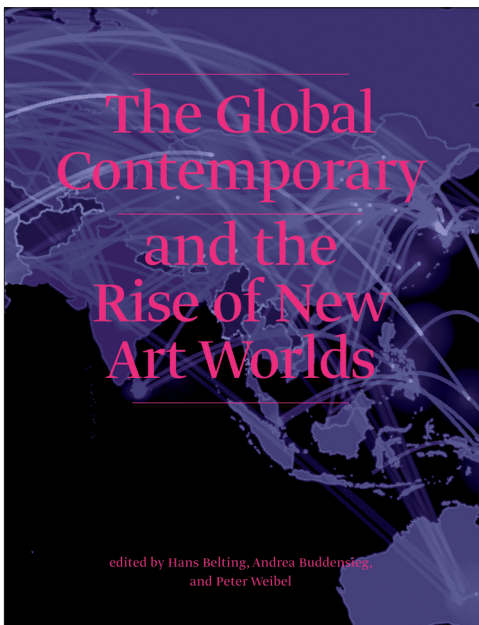
The Global Contemporary and the Rise of New Art Worlds documents the globalization of the visual arts and the rise of the contemporary over the last twenty years. Lavishly illustrated, with color throughout, it tracks developments ranging from exhibition histories and the rise of new art spaces to art's branding in such emerging markets as Hong Kong and the Gulf States. Essays treat such subjects as curating after the global turn; art and the migration of pictures; the end of the canon; and new strategies of representation.

Hans Belting has been Professor of Art History at the universities of Heidelberg and Munich and has taught at Harvard, Columbia, Northwestern, and the École des Hautes Études in Paris. He is a cofounder of the Karlsruhe University for Arts and Design (Hochschule für Gestaltung). **Andrea Buddensieg** is Curator and Project Manager of ZKM's GAM (Global Art and the Museum) project, from which the research for this publication emerged. **Peter Weibel** is Chairman and CEO of the ZKM | Center for Art and Media, Karlsruhe. He coedited *Buffalo Heads: Media Study, Media Practice, Media Pioneers, 1973–1990*, *Paul Thek: Artist's Artist*, and other ZKM books copublished by the MIT Press.

Contributors include

Hans Belting, Jacob Birken, Andrea Buddensieg, John Clark, Patrick D. Flores, Édouard Glissant, Thomas Hauschild, Oscar Ho-Hing-kay, Antonia Marten, Jean-Hubert Martin, Clare McAndrew, Birgit Mersmann, Birgit Meyer, Gerardo Mosquera, Parul D. Mukherji, Raqs Media Collective, Terry Smith, Sabine B. Vogel, Peter Weibel

- **Print and Online Advertising Campaign:**
New York Review of Books, *Times Literary Supplement*,
Bookforum, *Art in America*, *ArtNews*, *Art Journal*,
Bomb, *Cabinet*, *Grey Room*, *Art Papers*, *October*,
Art Bulletin
- **Web Site Feature**



art

What Was Contemporary Art?

Richard Meyer

Contemporary art in the early twenty-first century is often discussed as though it were a radically new phenomenon unmoored from history. Yet all works of art were once contemporary to the artist and culture that produced them. In *What Was Contemporary Art?* Richard Meyer reclaims the contemporary from historical amnesia, exploring episodes in the study, exhibition, and reception of early twentieth-century art and visual culture.

Meyer analyzes an undergraduate course taught by Alfred Barr at Wellesley College in 1927 as a key moment in the introduction of works by living artists into the discipline of art history, then turns to a series of exhibitions from the 1930s that put contemporary art in dialogue with premodern works ranging from prehistoric cave pictures to Italian Renaissance paintings. Meyer also treats the controversy that arose in 1948 over the decision by Boston's Institute of Modern Art to change its name to the Institute of Contemporary Art. By retrieving moments in the history of once-current art, Meyer redefines "the contemporary" as a condition of being alive to and alongside other moments, artists, and objects.

A generous selection of images, many in color—from works of fine art to museum brochures and magazine covers—support and extend Meyer's narrative. These works were contemporary to their own moment. Now, in Meyer's account, they become contemporary to ours as well.

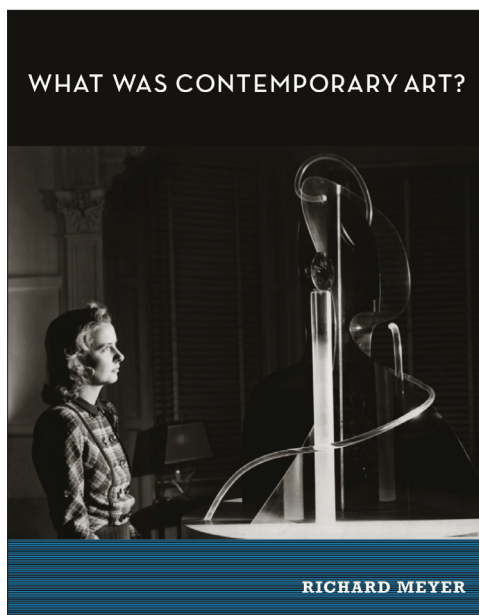
Richard Meyer is Professor of Art History at Stanford University. He is the author of *Outlaw Representation: Censorship and Homosexuality in Twentieth-Century American Art* and *Naked Hollywood: Weegee in Los Angeles*.

- **Print and Online Advertising Campaign:** *New York Review of Books, Times Literary Supplement, Bookforum, Art in America, ArtNews, Art Journal, Bomb, Cabinet, Grey Room, Art Papers, October, Afterimage, Art Bulletin*
- **Web Site Feature**
- **Email Campaign**

Not only does contemporary art have a history, but all works of art were once contemporary to the artist and culture that produced them.

March
7 x 9, 360 pp.
36 color illus.,
81 black & white illus.

\$35.00T/£24.95 cloth
978-0-262-13508-5



design

A Handbook of California Design, 1930–1965

Craftspeople, Designers, Manufacturers

edited by **Bobbye Tigerman**

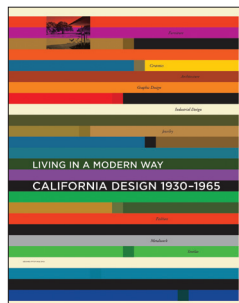
Mid-twentieth-century California offered fertile ground for design innovations. The state's reputation as a land of unlimited opportunity, its many institutions of higher learning, and its perpetually booming population created conditions that allowed designers and craftspeople to flourish. They found an eager market among educated and newly affluent Californians, and their products shaped the material culture of the entire nation. This book, a companion to the popular 2011 MIT Press/LACMA publication *California Design, 1930–1965: "Living in a Modern Way,"* reveals the complex web of influences, collaborations, institutional affiliations, and social networks that fueled the California design economy.

This book offers more than 140 illustrated biographical profiles of the most significant mid-century California designers, including such famous names as Saul Bass and Charles and Ray Eames as well as many lesser known but influential practitioners. These designers, craftspeople, and manufacturers worked in the full range of design media, creating furniture, fashion, textiles, jewelry, ceramics, and graphic and industrial design. Each entry includes a succinct biography, a portrait of the designer or image of an important design, cross-references to other entries, and a list of sources for further research. Significant examples of California design and craft objects are featured in more than 180 illustrations and rare photographs.

Created by internationally renowned graphic designer Irma Boom, the book is a beautifully crafted object in its own right. It will become an indispensable resource for all those interested in modern design.

Bobbye Tigerman is Associate Curator of Decorative Arts and Design at the Los Angeles County Museum of Art and was cocurator of the exhibition *California Design, 1930–1965: "Living in a Modern Way."*

- **Print and Online Advertising Campaign:** *Bookforum, Bomb, Art in America, ArtNews, Art Papers, Cabinet, Design Issues, Grey Room, Harper's Magazine*



The first comprehensive examination of California's mid-century modern design, generously illustrated.

\$60.00T/£41.95 cloth
978-0-262-01607-0

More than 140 illustrated biographical profiles map the innovative modern California design community.

March
6 x 9, 320 pp.,
40 color illus.
140 black & white illus.

\$34.95T/£24.95 paper
978-0-262-51838-3

Copublished with the Los Angeles County Museum of Art



technology/computer history

Spam

A Shadow History of the Internet

Finn Brunton

The vast majority of all email sent every day is spam, a variety of idiosyncratically spelled requests to provide account information, invitations to spend money on dubious products, and pleas to send cash overseas. Most of it is caught by filters before ever reaching an in-box. Where does it come from? As Finn Brunton explains in *Spam*, it is produced and shaped by many different populations around the world: programmers, con artists, bots and their botmasters, pharmaceutical merchants, marketers, identity thieves, crooked bankers and their victims, cops, lawyers, network security professionals, vigilantes, and hackers. Every time we go online, we participate in the system of spam, with choices, refusals, and purchases the consequences of which we may not understand.

This is a book about what spam is, how it works, and what it means. Brunton provides a cultural history that stretches from pranks on early computer networks to the construction of a global criminal infrastructure. The history of spam, Brunton shows us, is a shadow history of the Internet itself, with spam emerging as the mirror image of the online communities it targets. Brunton traces spam through three epochs: the 1970s to 1995, and the early, noncommercial computer networks that became the Internet; 1995 to 2003, with the dot-com boom, the rise of spam's entrepreneurs, and the first efforts at regulating spam; and 2003 to the present, with the war of algorithms—spam versus anti-spam. *Spam* shows us how technologies, from email to search engines, are transformed by unintended consequences and adaptations, and how online communities develop and invent governance for themselves.

Finn Brunton is Assistant Professor of Information in the School of Information at the University of Michigan.

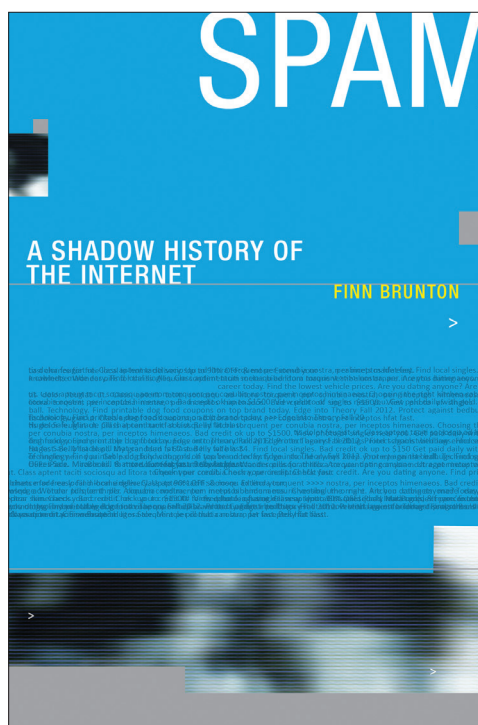
- National Publicity Campaign
- National Broadcast Campaign
- Author Podcast
- Print and Online Advertising Campaign: *Interactions*, *The Information Society*, *New York Review of Books*, *The Nation*, *Critical Studies in Media Communication*, *The Atlantic*
- Web Site Feature
- Mock Spam Email Campaign

What spam is, how it works, and how it has shaped online communities and the Internet itself.

April
6 x 9, 304 pp.

\$27.95T/£19.95 cloth
978-0-262-01887-6

Infrastructures series



regional/history

The Hub's Metropolis

From Railroad Suburbs to Smart Growth

James C. O'Connell

Boston's metropolitan landscape has been two hundred years in the making. From its proto-suburban village centers of 1800 to its far-flung, automobile-centric exurbs of today, Boston has been a national pacesetter for suburbanization. In *The Hub's Metropolis*, James O'Connell charts the evolution of Boston's suburban development.

The city of Boston is compact and consolidated—famously, “the Hub.” Greater Boston, however, stretches over 1,736 square miles and ranks as the world's sixth largest metropolitan area. Boston suburbs began to develop after 1820, when wealthy city dwellers built country estates that were just a short carriage ride away from their homes in the city. Then, as transportation became more efficient and affordable, the map of the suburbs expanded. The Metropolitan Park Commission's park-and-parkway system, developed in the 1890s, created a template for suburbanization that represents the country's first example of regional planning.

O'Connell identifies nine layers of Boston's suburban development, each of which has left its imprint on the landscape: traditional villages; country retreats; railroad suburbs; streetcar suburbs (the first electric streetcar boulevard, Beacon Street in Brookline, was designed by Frederic Law Olmsted); parkway suburbs, which emphasized public greenspace but also encouraged commuting by automobile; mill towns, with housing for workers; upscale and middle-class suburbs accessible by outer-belt highways like Route 128; exurban, McMansion-dotted sprawl; and smart growth. Still a pacesetter, Greater Boston has pioneered antisprawl initiatives that encourage compact, mixed-use development in existing neighborhoods near railroad and transit stations.

O'Connell reminds us that these nine layers of suburban infrastructure are still woven into the fabric of the metropolis. Each chapter suggests sites to visit, from Waltham country estates to Cambridge triple-deckers.

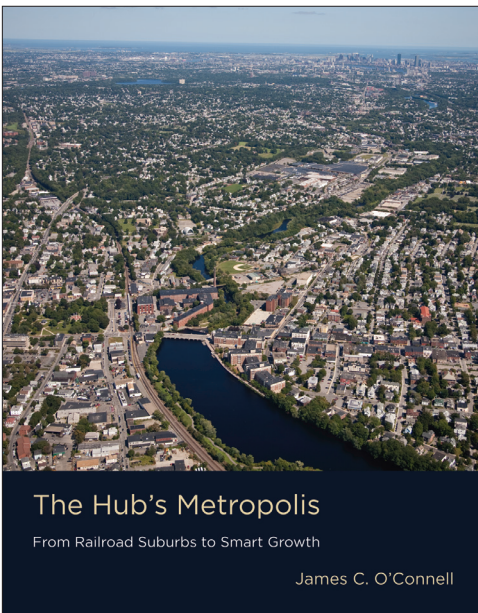
James C. O'Connell is a Planner at the National Park Service, Northeast Region, in Boston. He is the author of *Becoming Cape Cod: Creating a Seaside Resort*.

- **Regional Publicity Campaign**
- **Print and Online Advertising Campaign:**
New England Quarterly, Journal of American History, Boston Review, New York Review of Books
- **Boston-Themed Web Site Feature**
- **Email to Regional List**
- **Regional Email Promotion**

The evolution of the Boston metropolitan area, from country villages and streetcar suburbs to exurban sprawl and “smart growth.”

March
7 x 9, 272 pp.
60 illus.

\$34.95T/£24.95 cloth
978-0-262-01875-3



architecture

A Topology of Everyday Constellations

Georges Teyssot

Today, spaces no longer represent a bourgeois haven; nor are they the sites of a classical harmony between work and leisure, private and public, the local and the global. The house is not merely a home but a position for negotiations with multiple spheres—the technological as well as the physical and the psychological. In *A Topology of Everyday Constellations*, Georges Teyssot considers the intrusion of the public sphere into private space, and the blurring of notions of interior, privacy, and intimacy in our societies. He proposes that we rethink design in terms of a new definition of the practices of everyday life.

Teyssot considers the door, the window, the mirror, and the screen as thresholds or interstitial spaces that divide the world in two: the outside and the inside. Thresholds, he suggests, work both as markers of boundaries and as bridges to the exterior. The stark choice between boundary and bridge creates a middle space, an in-between that holds the possibility of exchanges and encounters.

If the threshold no longer separates public from private, and if we can no longer think of the house as a bastion of privacy, Teyssot asks, does the body still inhabit the house—or does the house, evolving into a series of microdevices, inhabit the body?

Georges Teyssot, Professor in the School of Architecture at Laval University, Quebec, has taught the history and theory of architecture at the Istituto Universitario di Architettura di Venice, Princeton University's School of Architecture, and the Department of Architecture at ETH Zurich. He is the author or editor of many books, including *Interior Landscapes* and *The American Lawn*.

- **Print and Online Advertising Campaign:** *The Architect's Newspaper*, *Grey Room*, *Journal for the Society of Architectural Historians*, *Harvard Design Magazine*, *ACSA News*, *Log*, *Times Literary Supplement*, *New York Review of Books*
- **Web Site Feature**
- **Email Campaign**

The threshold as both boundary and bridge: investigations of spaces, public and private, local and global.

March
5 3/8 x 8, 312 pp.
89 illus.

\$24.95T/£17.95 paper
978-0-262-51832-1

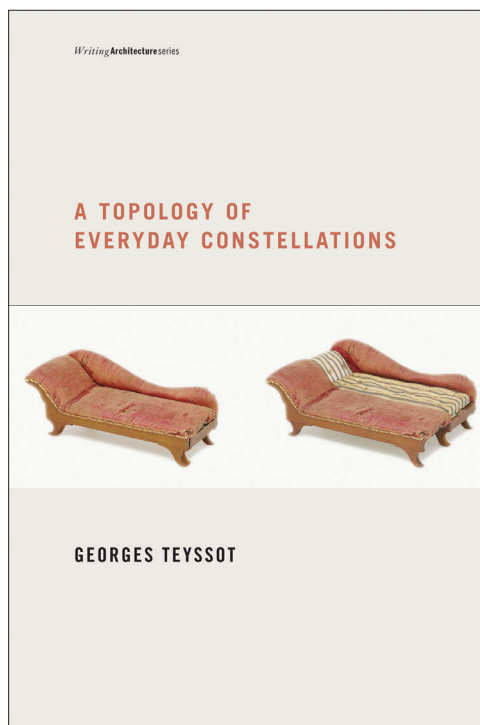
Writing Architecture series

Also available in this series

Oblique Drawing
A History of Anti-Perspective
Massimo Scolari
2012, 978-0-262-01774-9
\$39.95T/£27.95 cloth

The Alphabet and the Algorithm
Mario Carpo
2011, 978-0-262-51580-1
\$21.95T/£15.95 paper

The Possibility of an Absolute Architecture
Pier Vittorio Aureli
2011, 978-0-262-51579-5
\$24.95T/£17.95 paper



technology/philosophy/design

Ambient Commons

Attention in the Age of Embodied Information

Malcolm McCullough

On rediscovering
surroundings when
information goes
everywhere.

April
5 3/8 x 8, 320 pp.
58 illus.

\$27.95T/£19.95 cloth
978-0-262-01880-7

Also available

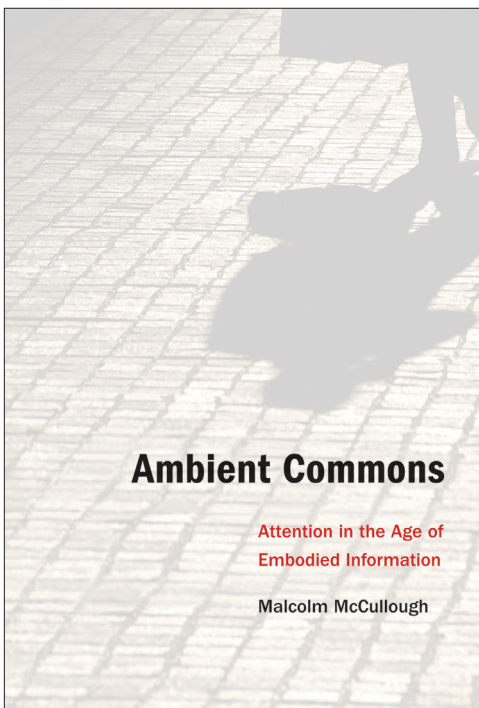
Digital Ground
Architecture, Pervasive
Computing, and
Environmental Knowing
Malcolm McCullough
2005, 978-0-262-63327-7
\$20.00T/£13.95 paper

The world is filling with ever more kinds of media, in ever more contexts and formats. Glowing rectangles have become part of the scene; screens, large and small, appear everywhere. Physical locations are increasingly tagged and digitally augmented. Sensors, processors, and memory are not found only in chic smart phones but also built into everyday objects. Amid this flood, your attention practices matter more than ever. You might not be able to tune this world out. So it is worth remembering that underneath all these augmentations and data flows, fixed forms persist, and that to notice them can improve other sensibilities. In *Ambient Commons*, Malcolm McCullough explores the workings of attention through a rediscovery of surroundings.

Not all that informs has been written and sent; not all attention involves deliberate thought. The intrinsic structure of space—the layout of a studio, for example, or a plaza—becomes part of any mental engagement with it. McCullough describes what he calls the Ambient: an increasing tendency to perceive information superabundance whole, where individual signals matter less and at least some mediation assumes inhabitable form. He explores how the fixed forms of architecture and the city play a cognitive role in the flow of ambient information. As a persistently inhabited world, can the Ambient be understood as a shared cultural resource, to be socially curated, voluntarily limited, and self-governed as if a commons? *Ambient Commons* invites you to look past current obsessions with smart phones to rethink attention itself, to care for more situated, often inescapable forms of information.

Malcolm McCullough is Associate Professor of Architecture at Taubman College, the University of Michigan. He is the author of *Abstracting Craft: The Practiced Digital Hand* and *Digital Ground: Architecture, Pervasive Computing, and Environmental Knowing*, both published by the MIT Press.

- National Publicity Campaign
- Author Podcast
- Print and Online Advertising Campaign:
Journal of the American Society for Information, Science and Technology, The Information Society, Design and Culture, Harper's Magazine, Bookforum, Journal of Information
- Web Site Feature



game studies

Uncertainty in Games

Greg Costikyan

In life, uncertainty surrounds us. Things that we thought were good for us turn out to be bad for us (and vice versa); people we thought we knew well behave in mysterious ways; the stock market takes a nosedive. Thanks to an inexplicable optimism, most of the time we are fairly cheerful about it all. But we do devote much effort to managing and ameliorating uncertainty. Is it any wonder, then, asks Greg Costikyan, that we have taken this aspect of our lives and transformed it culturally, making a series of elaborate constructs that subject us to uncertainty but in a fictive and nonthreatening way? That is: we create games.

In this concise and entertaining book, Costikyan, an award-winning game designer, argues that games require uncertainty to hold our interest, and that the struggle to master uncertainty is central to their appeal. Game designers, he suggests, can harness the idea of uncertainty to guide their work.

Costikyan explores the many sources of uncertainty in many sorts of games—from *Super Mario Bros.* to *Rock/Paper/Scissors*, from *Monopoly* to *CityVille*, from *FPS Deathmatch* play to *Chess*. He describes types of uncertainty, including performative uncertainty, analytic complexity, and narrative anticipation. And he suggest ways that game designers who want to craft novel game experiences can use an understanding of game uncertainty in its many forms to improve their designs.

Greg Costikyan, an award-winning designer of board, tabletop, roleplaying, computer, online, mobile, and social games, is Senior Designer at Disney Playdom's Dream Castle Studio. He is the author of four science fiction/fantasy novels.

- **National Publicity Campaign**
- **Print and Online Advertising Campaign:**
New York Review of Books, Bookforum, The Information Society, Critical Studies in Media Communication, Games and Culture, Interactions
- **Web Site Feature**
- **Series Announcement Email**
- **Email Promotion to Gamers' Groups**

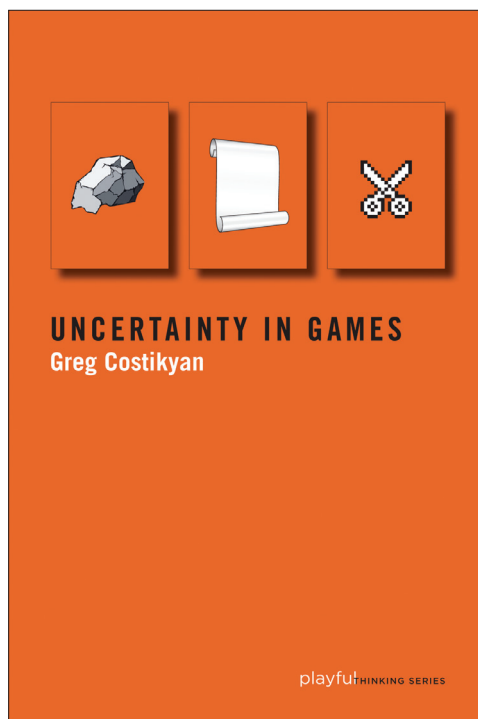
Playful Thinking is a series of short, readable, and argumentative books that share some playfulness and excitement with the games that are their subjects. Each book in the series is small enough to fit in a backpack or coat pocket, and combines depth with readability for any reader interested in playing more thoughtfully or thinking more playfully. This includes, but is by no means limited to, curious players, game makers, and academics. The series offers new ways of thinking about games, and new ways of using games to think about the rest of the world.

How uncertainty in games —from *Super Mario Bros.* to *Rock/Paper/Scissors*— engages players and shapes play experiences.

March
5 3/8 x 8, 136 pp.

\$19.95T/£13.95 cloth
978-0-262-01896-8

Playful Thinking series



game studies

The Art of Failure

An Essay on the Pain of Playing Video Games

Jesper Juul

An exploration of why we play video games despite the fact that we are almost certain to feel unhappy when we fail at them.

March
5 3/8 x 8, 168 pp.
54 illus.

\$19.95T/£13.95 cloth
978-0-262-01905-7

Playful Thinking series

Also available

Half-Real
Video Games between Real Rules
and Fictional Worlds

Jesper Juul
2011, 978-0-262-51651-8
\$19.00S/£13.95 paper

A Casual Revolution
Reinventing Video Games
and Their Players

Jesper Juul
2012, 978-0-262-51739-3
\$12.95T/£9.95 paper

Every day, hundreds of millions of people around the world play video games—on smart phones, on computers, on consoles—and most of them will experience failure at some point in the game; they will lose, die, or fail to advance to the next level. Humans may have a fundamental desire to succeed and feel competent, but game players choose to engage in an activity in which they are nearly certain to fail and feel incompetent. In *The Art of Failure*, Jesper Juul examines this paradox.

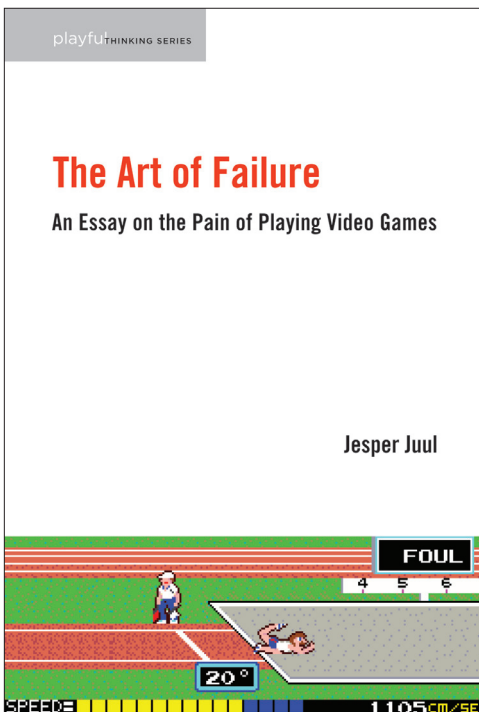
In video games, as in tragic works of art, literature, theater, and cinema, it seems that we want to experience unpleasantness even if we also dislike it. Reader or audience reaction to tragedy is often explained as catharsis, as a purging of negative emotions. But, Juul points out, this doesn't seem to be the case for video game players. Games do not purge us of unpleasant emotions; they produce them in the first place. What, then, does failure in video game playing do?

Juul argues that failure in a game is unique in that when you fail in a game, you (not a character) are in some way inadequate. Yet games also motivate us to play more, in order to escape that inadequacy, and the feeling of escaping failure (often by improving skills) is a central enjoyment of games. Games, writes Juul, are the art of failure: the singular art form that sets us up for failure and allows us to experience it and experiment with it.

The Art of Failure is essential reading for anyone interested in video games, whether as entertainment, art, or education.

Jesper Juul is Assistant Professor at the New York University Game Center. He is the author of *Half-Real: Video Games between Real Rules and Fictional Worlds* and *A Casual Revolution: Reinventing Video Games and Their Players*, both published by the MIT Press.

- National Publicity Campaign
- National Broadcast Campaign
- Author Podcast
- Print and Online Advertising Campaign:
New York Review of Books, Bookforum, Games and Culture, Interactions, The Information Society, Critical Studies in Media Communication
- Web Site Feature
- Series Announcement Email
- Email Promotion to Gamer's Groups



technology/business

Crowdsourcing

Daren C. Brabham

Ever since the term “crowdsourcing” was coined in 2006 by *Wired* writer Jeff Howe, group activities ranging from the creation of the Oxford English Dictionary to the choosing of new colors for M&Ms have been labeled with this most buzz-generating of media buzzwords. In this accessible but authoritative account, grounded in the empirical research, Daren Brabham explains what crowdsourcing is, what it is not, and how it works.

Crowdsourcing, Brabham tells us, is an online, distributed problem solving and production model that leverages the collective intelligence of online communities for specific purposes set forth by a crowdsourcing organization—corporate, government, or volunteer. Uniquely, it combines a bottom-up, open, creative process with top-down organizational goals. Crowdsourcing is not open-source production, which lacks the top-down component; it is not a market research survey that offers participants a short list of choices; and it is qualitatively different from predigital open innovation and collaborative production processes, which lacked the speed, reach, rich capability, and lowered barriers to entry enabled by the Internet.

Brabham describes the intellectual roots of the idea of crowdsourcing in such concepts as collective intelligence, the wisdom of crowds, and distributed computing. He surveys the major issues in crowdsourcing, including crowd motivation, the misconception of the amateur participant, crowdfunding, and the danger of “crowdsplotation” of volunteer labor, citing real-world examples from Threadless, InnoCentive, and other organizations. And he considers the future of crowdsourcing in both theory and practice, describing its possible roles in journalism, governance, national security, and science and health.

Daren C. Brabham is Assistant Professor in the School of Journalism and Mass Communication at the University of North Carolina at Chapel Hill.

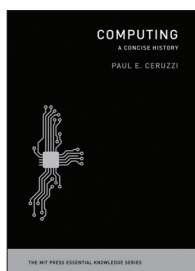
- **Print and Online Advertising Campaign:**
New York Review of Books, Sloan Management Review, Bookforum
- **Essential Knowledge Web Site Series Feature**

A concise introduction to crowdsourcing that goes beyond social media buzzwords to explain what crowdsourcing really is and how it works.

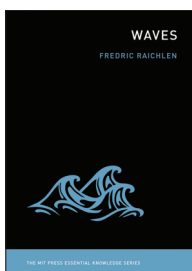
May
5 x 7, 176 pp.

\$11.95T/£9.95 paper
978-0-262-51847-5

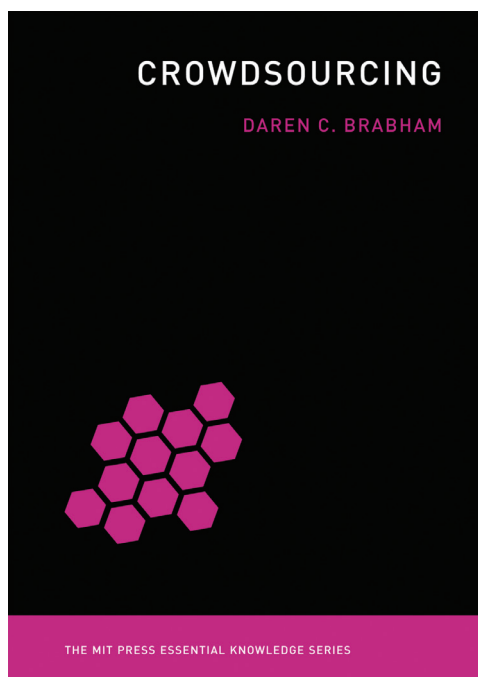
The MIT Press Essential Knowledge series



\$11.95T/£9.95 paper
978-0-262-51767-6



\$11.95T/£9.95 paper
978-0-262-51823-9



education/economics/sociology

Giving Kids a Fair Chance

James J. Heckman

In *Giving Kids a Fair Chance*, Nobel Prize-winning economist James Heckman argues that the accident of birth is the greatest source of inequality in America today. Children born into disadvantage are, by the time they start kindergarten, already at risk of dropping out of school, teen pregnancy, crime, and a lifetime of low-wage work. This is bad for all those born into disadvantage and bad for American society.

Current social and education policies directed toward children focus on improving cognition, yet success in life requires more than smarts. Heckman calls for a refocus of social policy toward early childhood interventions designed to enhance both cognitive abilities and such non-cognitive skills as confidence and perseverance. This new focus on preschool intervention would emphasize improving the early environments of disadvantaged children and increasing the quality of parenting while respecting the primacy of the family and America's cultural diversity.

The debate that follows delves deeply into some of the most fraught questions of our time: the sources of inequality, the role of schools in solving social problems, and how to invest public resources most effectively. Mike Rose, Geoffrey Canada, Charles Murray, Carol Dweck, Annette Lareau, and other prominent experts participate.

A top economist weighs in on one of the most urgent questions of our times: What is the source of inequality and what is the remedy?

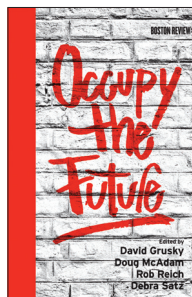
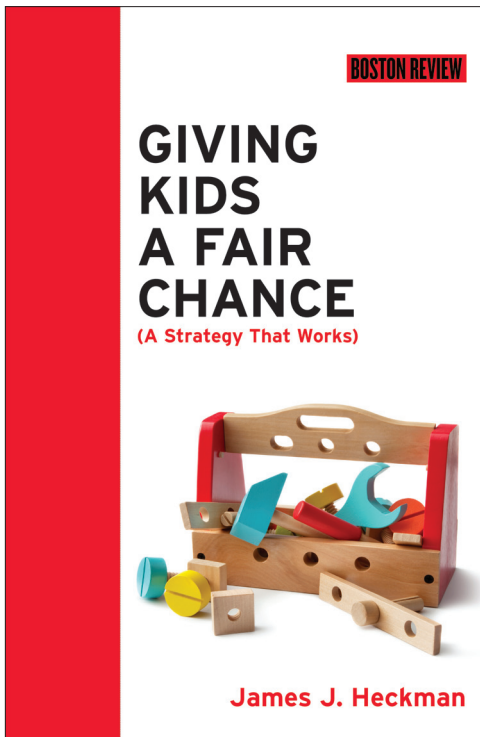
April
4 1/2 x 7, 112 pp.

\$14.95T/£10.95 cloth
978-0-262-01913-2

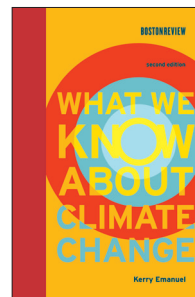
A Boston Review Book

James J. Heckman is the Henry Schultz Distinguished Service Professor of Economics at the University of Chicago. He was a recipient of the Nobel Prize for Economic Sciences in 2000. He is the coauthor (with Alan B. Krueger) of *Inequality in America: What Role for Human Capital Policies?* (MIT Press).

- National Publicity Campaign
- National Broadcast Campaign
- Print and Online Advertising Campaign:
American Prospect, Mother Jones, New York Review of Books, American Educational Research Journal, The Nation, New Republic, Journal of Public Economics, New Political Economy
- Web Site Feature



\$14.95T/£10.95 cloth
978-0-262-01840-1



\$14.95T/£10.95 cloth
978-0-262-01843-2



\$14.95T/£10.95 cloth
978-0-262-01841-8

current affairs/political science

previously announced

Torture and the Forever War

Mark Danner

Describing the unfolding torture of Guantanamo detainee Abu Zabaydah, Mark Danner paints a vivid portrait with unsettling bodily and material details. But this portrait is not presented simply for us to condemn; it serves to crystallize a larger political condition.

Sometime on or about September 11, 2001, Danner argues, our political condition changed. The events of Zabaydah's torture were the consequence of a set of political choices that created what Danner calls "the style of the exception." That style coalesces around distinctive features that have become familiar in our post-9/11 world and have not changed in a new administration: a declaration of an unending war against an enemy positioned outside the bounds of all legality; a war guided by a legally unbounded executive, who controls the public release of information and uses partisan domestic politics as a continuation of the war by other means, in an improvisational style, and without guidance from history or legal constraints.

But in describing this new condition, Danner's most pressing concern is not to place blame. Those who created the style of the exception, he argues, surely knew that a moment of judgment would come. Could it be that they thought we would affirm the rightness of their choices, and that in identical circumstances we would have done the same thing?

Danner invites us to consider how, if we reject those choices now, we might extricate ourselves from the style of the exception.

Mark Danner is an award-winning journalist and Professor of Journalism at the University of California, Berkeley, who has written for more than two decades on foreign affairs and international conflict. He is the author of *Stripping Bare the Body*, *The Secret Way to War: The Downing Street Memo and the Iraq War's Buried History*, and other books.

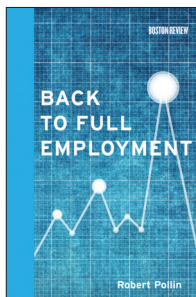
- National Publicity Campaign
- National Broadcast Campaign
- Print and Online Advertising Campaign: *American Journal of Political Science, The Progressive, Publishers Weekly, Political Science Quarterly, Journal of Politics, Harper's Magazine, London Review of Books, New Republic, Boston Review, In These Times, The Nation, Bookforum, New York Review of Books*
- Web Site feature

An unflinching meditation on how America became a country that tortures and how to set a new course.

March
4 1/2 x 7, 192 pp.

\$14.95T/£10.95 cloth
978-0-262-01553-0

A Boston Review Book



\$14.95T/£10.95 cloth
978-0-262-01757-2



\$14.95T/£10.95 cloth
978-0-262-01758-9



\$14.95T/£10.95 cloth
978-0-262-01667-4



art

Light Show

edited by Cliff Lauson

foreword by Ralph Rugoff

essays by Cliff Lauson, Philip Ball, and Anne Wagner

An investigation of art that explores the experiential and sculptural nature of light, showcasing a range of artworks from the 1960s to the present.

April
9 3/4 x 11, 192 pp.
100 color illus.,
50 black & white illus.

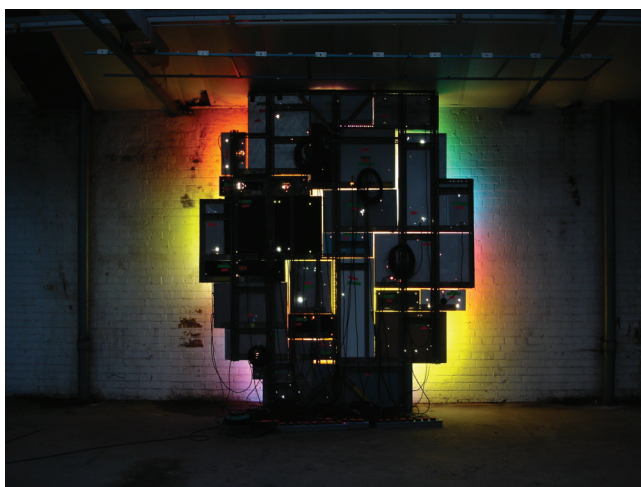
\$40.00T cloth
978-0-262-01914-9

Copublished with the Hayward
Gallery, London

Not for sale in the UK
and Europe

EXHIBITION

Hayward Gallery,
Southbank Centre, London
30 January–28 April 2013



David Batchelor, *Magic Hour* (2004-07). Photo courtesy of the artist. From *Light Show*.

Light Show explores the experiential and sculptural nature of light, tracing a historical trajectory of artwork that uses light to create specific conditions of viewership. The book, which accompanies an exhibition originating at the Hayward Gallery, London, showcases more than twenty dramatic installations and sculptures from the 1960s to the present, pictured in 150 illustrations, most in color. These include works by artists associated with historical movements such as the “Light and Space” movement of the 1970s; rarely seen installations by such precursors as Dan Flavin and Carlos Cruz-Diez; and work by contemporary artists who have found new ways to use light as a sculptural medium.

All of the artworks explore different aspects related to light, including color, duration, movement, sunlight, and moonlight. Some, including Dan Flavin’s work made from fluorescent tubes, use light to dematerialize space while others, such as Anthony McCall’s “solid light” projections, give light an almost tangible quality. Many light works create immersive experiences, including Olafur Eliasson’s atmospheric environments; still others use light as a medium for political response, including Jenny Holzer’s LED signs that broadcast censored documents from the “war on terror.”

Light Show features essays by the curator and editor Cliff Lauson, the art historian Anne Wagner, and the science writer Philip Ball, who traces the rich history of light as a medium, from phenomenon to artwork.

Cliff Lauson is Curator at the Hayward Gallery, London. **Philip Ball** was an editor at *Nature* for more than twenty years and is the author of *Curiosity: How Science Became Interested in Everything* and other books. **Anne Wagner**, an art historian, critic, and teacher, is the author of *A House Divided: American Art Since 1955* and other books.

Artists include

David Batchelor, Jim Campbell,
Carlos Cruz-Diez, Olafur Eliasson,
Peter Fischli and David Weiss, Dan Flavin,
Ceal Floyer, Jenny Holzer,
Ann Veronica Janssens, Anthony McCall,
François Morellet, Iván Navarro,
Katie Paterson, Conrad Shawcross,
Cerith Wyn Evans

art

No Medium

Craig Dworkin

In *No Medium*, Craig Dworkin looks at works that are blank, erased, clear, or silent, writing critically and substantively about works for which there would seem to be not only nothing to see but nothing to say. Examined closely, these ostensibly contentless works of art, literature, and music point to a new understanding of media and the limits of the artistic object.

Dworkin considers works predicated on blank sheets of paper, from a fictional collection of poems in Jean Cocteau's *Orphée* to the actual publication of a ream of typing paper as a book of poetry; he compares Robert Rauschenberg's *Erased De Kooning Drawing* to the artist Nick Thurston's erased copy of Maurice Blanchot's *The Space of Literature* (in which only Thurston's marginalia were visible); and he scrutinizes the sexual politics of photographic representation and the implications of obscured or obliterated subjects of photographs. Reexamining the famous case of John Cage's *4'33"*, Dworkin links Cage's composition to Rauschenberg's *White Paintings*, Ken Friedman's *Zen for Record* (and Nam June Paik's *Zen for Film*), and other works, offering also a "guide to further listening" that surveys more than 100 scores and recordings of "silent" music.

Dworkin argues that we should understand media not as blank, base things but as social events, and that there is no medium, understood in isolation, but only and always a plurality of media: interpretive activities taking place in socially inscribed space.

Craig Dworkin, Professor in the English Department at the University of Utah, is the author of *Reading the Illegible* and the editor of several collections, including most recently *The Sound of Poetry/The Poetry of Sound* (with Marjorie Perloff) and *Language to Cover a Page: The Early Writings of Vito Acconci* (MIT Press).

Close readings of ostensibly "blank" works—from unprinted pages to silent music—that point to a new understanding of media.

March
6 x 9, 224 pp.

\$21.95T/£15.95 cloth
978-0-262-01870-8

Also available

Language to Cover a Page
The Early Writings of Vito Acconci
Vito Acconci
edited by Craig Dworkin
2006, 978-0-262-01224-9
\$36.95T/£25.95 cloth



No Medium

Craig Dworkin

art/science

Molecular Aesthetics

edited by Peter Weibel and Ljiljana Fruk

Scientists and artists explore links between current developments in molecular science and the visual arts.

March
6 3/4 x 9 1/2, 400 pp.
300 illus.

\$55.00T/£37.95 cloth
978-0-262-01878-4

Copublished with ZKM | Center for Art and Media, Karlsruhe

Also available

Paul Thek
Artist's Artist
edited by
Harald Falckenberg
and **Peter Weibel**

2008, 978-0-262-01254-6
\$75.00T/£51.95 cloth

Thanks to advances in molecular science and microscopy, we can visualize matter on a nanoscale, and structures not visible to the naked eye can be visualized and characterized. The fact that technology allows us to transcend the limits of natural perception and see what was previously unseeable creates a new dimension of aesthetic experience and practice: molecular aesthetics. This book, drawing on an exhibit and symposium at ZKM | Center for Art and Media Karlsruhe, documents aesthetic developments in what Félix Guattari called the “molecular revolution.”

Just as artists in the Bauhaus movement began to use such industrial materials as metal, Plexiglas, and alloys as raw materials, artists today have access to new realms of the molecular and nano. The industrial aesthetic of machinery and material has been transformed into an aesthetic of media and molecules. *Molecular Aesthetics* suggests ways in which art can draw inspiration from the molecular sciences—and ways in which science can use art to make experimental results more intelligible and comprehensible. The authors of the essays collected in the book discuss the creation of molecules of remarkable beauty and the functional properties that stem from a few geometrical principles of molecular design; address the history of molecular structure representation; examine the meaning of molecular aesthetics for scientists; and compare chemical structures to artworks.

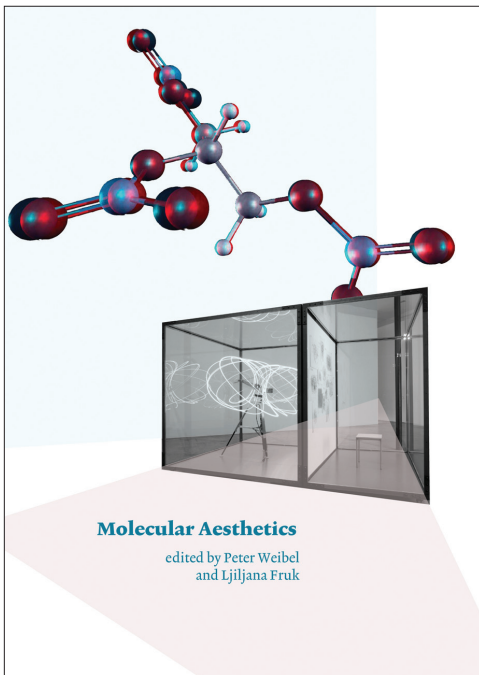
Peter Weibel is Chairman and CEO of the ZKM | Center for Art and Media, Karlsruhe. He coedited *Buffalo Heads: Media Study, Media Practice, Media Pioneers, 1973–1990*, *Paul Thek: Artist's Artist*, and other ZKM books copublished by the MIT Press. **Ljiljana Fruk** is a research group leader and lecturer at the Karlsruhe Institute of Technology (KIT), DFG Centre for Functional Nanostructures (CFN), working on the design of nanoscale light-activated devices.

Contributors

Éric Alliez, Thierry Delatour, Eric Francoeur, Ljiljana Fruk, Roald Hoffmann, Harold Kroto, Pierre Laszlo, Leonard F. Lindoy, Robert E. Mulvey, Robert Root-Bernstein, Hermann J. Roth, Joachim Schummer, Tami I. Spector, Chris Toumey, Peter Weibel

Artistic statements by

Richard Aldcroft, Tom Blackwell, Jeremy Blake, Mark Boyle, David Clark, Critical Art Ensemble, Joe Davis, Festival Pattern Group, Buckminster Fuller, Erich Füllgrabe, Gints Gabrāns, Irving Geis, David Glowacki, David S. Goodsell, Irwin Goen, Iñigo Manglano-Ovalle, Seiko Mikami, Leonardo Mosso, Edward Randel, Peter Sedgley, Conrad Shawcross, Cyril Stanley Smith, Kenneth Snelson, Don Snyder, Paul Vanouse, Victoria Vesna, Daniel Young, and others



art/politics

Spheres of Action

Art and Politics

edited by **Éric Alliez** and **Peter Osborne**

Contemporary art is increasingly part of a wider network of cultural practices, related through a common set of references in cultural theory. Within Europe, relations between national theoretical traditions have become more fluid and dynamic, creating an increasingly transnational—or postnational—space for European cultural and art theory. This book offers a snapshot of recent influential work in contemporary art and political theory in France, Italy, and Germany, in the form of original writings by major representatives of each of the three overlapping national traditions.

In France, debates center on the status and possibilities of the image. **Éric Alliez**, **Georges Didi-Huberman**, **Elisabeth Lebovici**, and **Jacques Rancière** each adopt a distinctive approach to the making, undoing, and remaking of aesthetic images in contemporary art and their political significance. From Italy, **Antonio Negri**, **Maurizio Lazzarato**, **Judith Revel**, and **Franco Berardi** each address the “immaterial” situation of contemporary art. From Germany, **Peter Sloterdijk**, **Peter Weibel**, and **Boris Groys** reassess the contemporary legacy of postwar art, demonstrating appropriations of vitalism, structuralism, and deconstruction, respectively.

Éric Alliez is Professor of Contemporary French Philosophy at the Centre for Research in Modern European Philosophy at Middlesex University. He is the coauthor of *The Signature of the World: 'What Is Deleuze and Guattari's Philosophy?'*.

Peter Osborne is Professor of Modern European Philosophy and Director of the Centre for Research in Modern European Philosophy at Middlesex University, London. Editor of the journal *Radical Philosophy*, he is the author of *The Politics of Time: Modernity and Avant-Garde*.

Essays by

Éric Alliez, Franco Berardi, Georges Didi-Huberman, Boris Groys, Maurizio Lazzarato, Elisabeth Lebovici, Antonio Negri, Jacques Rancière, Judith Revel, Peter Sloterdijk, Peter Weibel

A snapshot of current debates about the relationship of politics to contemporary art, with original writings by major European thinkers.

March
6 x 9, 160 pp.
40 illus.

\$22.95T paper
978-0-262-51843-7

For sale in North America only

Spheres of Action: Art and Politics
Edited by **Éric Alliez** and **Peter Osborne**



art

new in paperback

Black Mountain College

Experiment in Art

edited by Vincent Katz

with texts by Martin Brody, Robert Creeley, Vincent Katz,
and Kevin Power

Unavailable for several years,
a generously illustrated book
that documents the most
successful experiment in
the history of American arts
education.

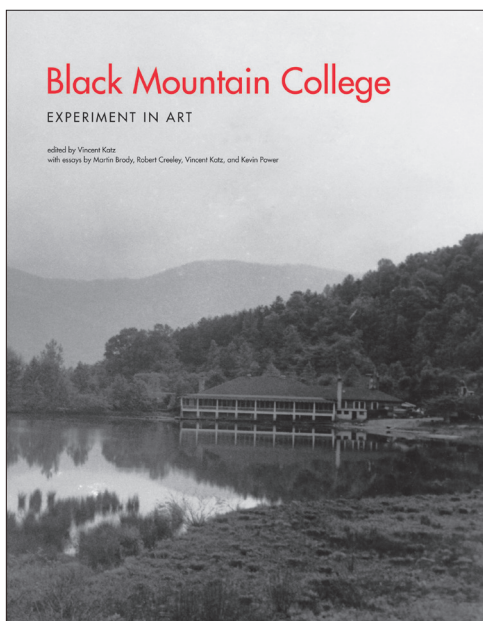
March
9 1/4 x 11 3/5, 352 pp.
235 color illus.,
235 black & white illus.

\$40.00T/£27.95 paper
978-0-262-51845-1

Also available

**The Arts at
Black Mountain College**
Mary Emma Harris

2002, 978-0-262-58212-4
\$55.00T/£37.95 paper



Although it lasted only twenty-three years (1933–1956) and enrolled fewer than 1,200 students, Black Mountain College was one of the most fabled experimental institutions in art education and practice. Faculty members included Josef Albers, Ilya Bolotowsky, Willem de Kooning, Buckminster Fuller, Franz Kline, Robert Motherwell, John Cage, and Merce Cunningham. Among their students were Kenneth Noland, Robert Rauschenberg, and Cy Twombly. Literature teachers and students included Robert Creeley, Fielding Dawson, Robert Duncan, Francine du Plessix Gray, and Charles Olson. This book—the paperback edition of a milestone work that has been unavailable for several years—documents the short but influential life of Black Mountain College.

Nearly 500 images, many in color and published for the first time in this book, show important works of art created by Black Mountain College faculty and students as well as snapshots of campus life. Four essays, all commissioned for the book, offer closer looks at the world of Black Mountain. Poet Robert Creeley recounts his first meeting with his mentor and friend Charles Olson. Composer Martin Brody offers a history of the musical world of the 1930s to 1950s, in which Black Mountain played a significant role. Critic Kevin Power looks at the experimental literary journal *The Black Mountain Review*, which was instrumental in launching the Black Mountain school of poetry. The book's editor, Vincent Katz, discusses the philosophy of the college's founders, the Bauhaus principles followed by art instructor Josef Albers, and the many interactions among the arts in the college's later years.

Vincent Katz is a poet, translator, and curator based in New York City. **Martin Brody**, a composer, is Catherine Mills Davis Professor of Music at Wellesley College.

Robert Creeley (1926–2005) was a major American poet known for his relationship to Black Mountain College.

Kevin Power is Chair of American Literature at the Universidad de Alicante in Spain.

"Katz gets at the catalytic complexity of an institution that stands at the crossroads of mid-twentieth-century American experimentation."

—Jed Perl, *The New Republic*

"A fine and full-bodied tribute to one of our nation's most unique experiments in art."

—Will Clemens, *Rain Taxi*

art

Louise Lawler

edited by Helen Molesworth

with Taylor Walsh

Louise Lawler has devoted her art practice to investigating the life cycle of art objects. Her photographs depict art in the collector's home, the museum, the auction house, and the commercial gallery, on loading docks, and in storage closets. Her work offers a sustained meditation on the strategies of display that shape art's reception and distribution. The cumulative effect of Lawler's photographs is a silent insistence that context is the primary shaper of art's meaning. Informed by feminism and institutional critique, Lawler's witty, poignant, and trenchant photos frequently pay attention to a host of overlooked details—almost Freudian slips—that ineffably and tacitly shore up what we conventionally think of as art's "power."

This book includes the earliest published text on Lawler's work; an examination of her ephemera (Lawler produced, among other things, matchbooks and paperweights); a rare interview with the artist, conducted by Douglas Crimp; a conversation between George Baker and Andrea Fraser on Lawler's work; and essays by writers including Rosalind Krauss, Rosalyn Deutsche, and Helen Molesworth, the volume's editor. The book traces the changing reception of Lawler's work from early preoccupations with appropriation to later discussions of affect.

Helen Molesworth is Chief Curator at the Institute for Contemporary Art, Boston. She edited Louise Lawler's *Twice Untitled and Other Pictures (looking back)*, published by the Wexner Center for the Arts and distributed by the MIT Press.

Taylor Walsh is a doctoral candidate in the History of Art and Architecture at Harvard University.

Essays and interviews that examine the work of an artist whose witty, poignant, and trenchant photographs investigate the life cycle of art objects.

March
6 x 9, 160 pp.
51 illus.

\$18.95T/£13.95 paper
978-0-262-51835-2

\$35.00S/£24.95 cloth
978-0-262-01881-4

October Files

CONTENTS

In and Out of Place (1985)

Andrea Fraser

Rites of Exchange (1986)

Kate Linker

Louise Lawler: Souvenir Memories (1996)

Rosalind Krauss

Prominence Given, Authority Taken (2001)

Douglas Crimp and Louise Lawler

Mata Hari Takes a Picture (2004)

Bruce Hainley

Displacement and Condensation:

A Conversation on the Work of
Louise Lawler (2004)

George Baker and Andrea Fraser

Louise Lawler's Rude Museum (2006)

Rosalyn Deutsche

Louise Lawler: Just the Facts (2006)

Helen Molesworth

A Thought of Photography (2007)

Stephen Melville

OCTOBER FILES

LOUISE LAWLER



14

art

Abstraction

edited by Maria Lind

An examination of contemporary art's engagement with three modes of abstraction.

March
5 3/4 x 8 1/4, 240 pp.

\$24.95T paper
978-0-262-51836-9

Documents of Contemporary
Art series

Copublished with Whitechapel
Gallery, London

Not for sale in the UK and Europe

Also available in this series

Nature
edited by Jeffrey Kastner
2012, 978-0-262-51766-9
\$24.95T paper

The Studio
edited by Jens Hoffmann
2012, 978-0-262-51761-4
\$24.95T paper

This anthology reconsiders crucial aspects of abstraction's resurgence in contemporary art, exploring three equally significant strategies explored in current practice: formal abstraction, economic abstraction, and social abstraction. In the 1960s, movements as diverse as Latin American neo-concretism, op art and "eccentric abstraction" disrupted the homogeneity, universality, and rationality associated with abstraction. These modes of abstraction opened up new forms of engagement with the phenomenal world as well as the possibility of diverse readings of the same forms, ranging from formalist and transcendental to socio-economic and conceptual.

In the 1980s, the writings of Peter Halley, Fredric Jameson, and others considered an increasingly abstracted world in terms of its economic, social, and political conditions—all of which were increasingly manifested through abstract codes or sites of style. Such economic abstraction is primarily addressed in art through subject or theme, but Deleuze and Guattari's notion of art as abstract machine opens up possibilities for art's role in the construction of a new kind of social reality. In more recent art, a third strand of abstraction emerges: a form of social abstraction centered on the strategy of withdrawal. Social abstraction implies stepping aside, a movement away from the mainstream, suggesting the possibilities for art to maneuver within self-organized, withdrawn initiatives in the field of cultural production.

Maria Lind is Director of the Tensta Konsthall, Stockholm, and a former Director of the Graduate Program at Bard College's Center for Curatorial Studies. She discusses her work in the book *Selected Maria Lind Writing*.

Artists surveyed include

Lee Bontecou, Louise Bourgeois, Amilcar de Castro, Paul Cézanne, Lygia Clark, Kajsa Dahlberg, Stephan Dillemath, Marcel Duchamp, Gardar Eide Einarsson, Günther Förg, Liam Gillick, Ferreira Gullar, Jean Hélion, Eva Hesse, Jakob Jakobsen, Jasper Johns, Donald Judd, Wassily Kandinsky, Sol LeWitt, Piet Mondrian, Bruce Nauman, Hélio Oiticica, Blinky Palermo, Lygia Pape, Mai-Thu Perret, Jackson Pollock, Tobias Rehberger, Bridget Riley, Emily Roysden, Lucas Samaras, Julian Stanczak, Frank Stella, Hito Steyerl, Theo van Doesburg

Writers include

Alfred H. Barr Jr., Ina Blom, Lynne Cooke, Anthony Davies, Judi Freeman, Peter Halley, Brian Holmes, Joe Houston, Fredric Jameson, Lucy R. Lippard, Sven Lütticken, Nina Möntmann, Gabriel Perez-Barreiro, Catherine Quéloz, Gerald Raunig, Irit Rogoff, Meyer Schapiro, Kirk Varnedoe, Stephan Zepke



art/film/photography

Documentary

edited by Julian Stallabrass

After a long period in eclipse, documentary has undergone a marked revival in recent art. This has been spurred by two phenomena: the exhibition of photographic and video work on political issues at Documenta and numerous biennials; and increasing attention to issues of injustice, violence, and trauma in the war zones of the endemically conflict-ridden twenty-first century. The renewed attention to photography and video in the gallery and museum world has helped make documentary one of the most prominent modes of art-making today. Unsurprisingly, this development has been accompanied by a rich strain of theoretical and historical writing on documentary.

This anthology provides a much-needed contextual grounding for documentary art. It explores the roots of documentary in modernism and its critique under postmodernism; surveys current theoretical thinking about documentary; and examines a wide range of work by artists within, around, or against documentary through their own writings and interviews.

Julian Stallabrass is Professor of Art History at the Courtauld Institute of Art, London. He is the author of *Art Incorporated: The Story of Contemporary Art*, *High Art Lite: The Rise and Fall of Young British Art*, and other books.

Artists surveyed include

Kutluğ Ataman, Ursula Biemann, Hasan Elahi, Harun Farocki, Omer Fast, Joan Fontcuberta, Regina José Galindo, David Goldblatt, Craigie Horsfield, Alfredo Jaar, Emily Jacir, Lisa F. Jackson, Philip Jones Griffiths, An-My Lê, Renzo Martens, Boris Mikhailov, Daido Moriyama, Walid Raad, Michael Schmidt, Sean Snyder

Writers include

James Agee, Ariella Azoulay, Walter Benjamin, Adam Broomberg, Judith Butler, Oliver Chanarin, Georges Didi-Huberman, John Grierson, David Levi Strauss, Elizabeth McCausland, Carl Plantinga, Jacques Rancière, Martha Rosler, Jean-Paul Sartre, Allan Sekula, W. Eugene Smith, Susan Sontag, Hito Steyerl, Trinh T. Minh-ha

The revival of documentary in art, considered in historical, theoretical, and contemporary contexts.

March
5 3/4 x 8 1/4, 240 pp.

\$24.95T paper
978-0-262-51829-1

Documents of Contemporary Art series

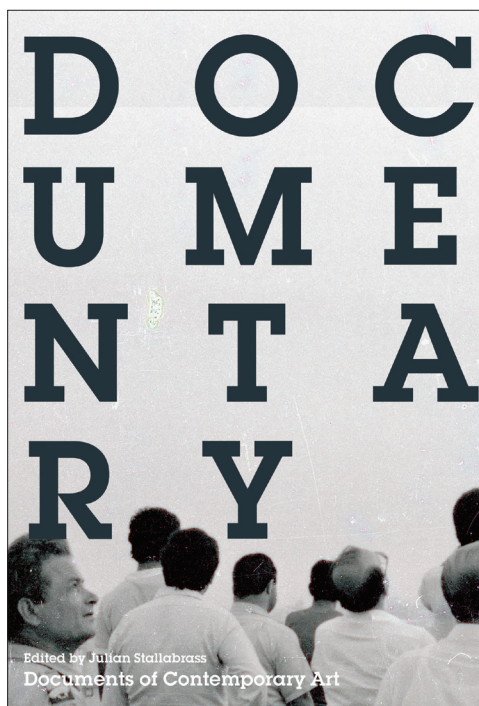
Copublished with Whitechapel Gallery, London

Not for sale in the UK and Europe

Also available in this series

Dance
edited by **André Lepecki**
2012, 978-0-262-51777-5
\$24.95T paper

Memory
edited by **Ian Farr**
2012, 978-0-262-51776-8
\$24.95T paper



art/film

Hélio Oiticica and Neville D'Almeida

Block-Experiments in Cosmococa—Program in Progress

Sabeth Buchmann and Max Jorge Hinderer Cruz

An illustrated study that casts a new light on Oiticica's most important work of "quasi-cinema" on its fortieth anniversary.

March
6 x 8 1/2, 112 pp.
32 illus. in color
and black & white

\$16.00T/£9.95 paper
978-1-84638-097-6

\$35.00S/£19.95 cloth
978-1-84638-096-9

One Work series
Distributed for Afterall Books

Also available in this series

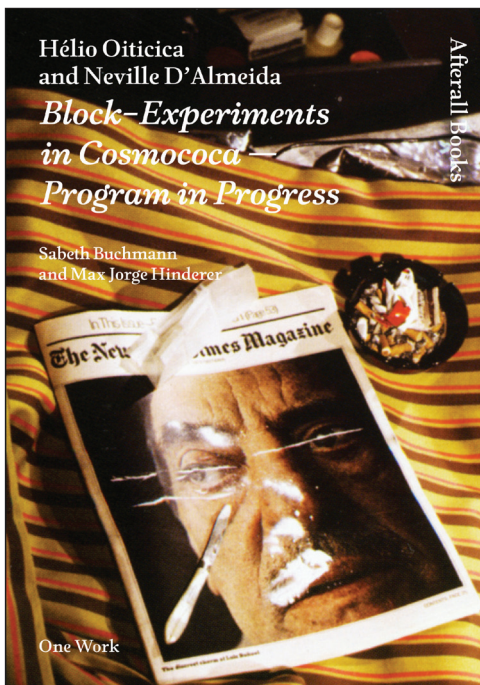
Michael Asher
Kunsthalle Bern 1992

Anne Rorimer
2012, 978-1-84638-093-8
\$16.00T/£9.95 paper

Hélio Oiticica (1937–1980) occupies a central position in the Latin American avant-garde of the postwar era. Associated with the Rio de Janeiro-based neo-concretist movement at the beginning of his career, Oiticica moved from object production to the creation of chromatically opulent and sensually engulfing large-scale installations or wearable garments. Building on the idea for a film by Brazilian underground filmmaker Neville D'Almeida, Oiticica developed the concept for *Block-Experiments in Cosmococa—Program in Progress* (1973–1974) as an "open program": a series of nine proposals for environments, each consisting of slide projections, soundtracks, leisure facilities, drawings (with cocaine used as pigment), and instructions for visitors. It is the epitome of what the artist called his "quasi-cinema" work—his most controversial production, and perhaps his most direct effort to merge art and life. Presented publicly for the first time in 1992, these works have been included in major international exhibitions in Los Angeles, Chicago, London, and New York.

Drawing on unpublished primary sources, letters, and writings by Oiticica himself, this illustrated examination of Oiticica's work considers the vast catalog of theoretical references the artist's work relies on, from anticolonial materialism to French phenomenology and postmodern media theory to the work of Jean-Luc Godard, Andy Warhol, and Brazilian avant-garde filmmakers. It discusses Oiticica's work in relation to the diaspora of Brazilian intellectuals during the military dictatorship, the politics of media circulation, the commercialization of New York's queer underground, the explicit use of cocaine as means of production, and possible future reappraisals of Oiticica's work.

Sabeth Buchmann, an art historian and critic, is Professor of Modern and Postmodern Art and Head of the Institute for Art Theory and Cultural Studies at the Academy of Fine Arts Vienna. **Max Jorge Hinderer Cruz** is a writer, translator, and cultural critic specializing in Latin American studies and materialist aesthetics.



art/photography

Sanja Iveković

Triangle

Ruth Noack

In Sanja Ivekovic's *Triangle* (*Trokut*, 1979), four black-and-white photographs and written text capture an eighteen-minute performance from May 10, 1979. On that date, a motorcade carrying Josip Broz Tito, then president of Yugoslavia, drove through the streets of downtown Zagreb. As the president's limousine passed below, Ivekovic began simulating masturbation on her balcony. Although she could not be seen from the street, she knew that the surveillance teams on the roofs of neighboring buildings would detect her presence. Within minutes, a policeman appeared at her door and ordered her inside. Not only did Ivekovic's action expose government repression and call attention to the rights of women, it also brought into sharp focus the relationship of gender to power and the particular experience of political dissidence under communist rule in Eastern Europe. *Triangle* is considered one of Ivekovic's key works and yet, despite Ivekovic's stature as one of the leading artists of the former Yugoslavia, it has received little direct attention. With this book, Ruth Noack offers the first sustained examination of Ivekovic's widely exhibited, now canonical artwork.

After a detailed analysis of the work's formal qualities, Noack considers its position in the context of artistic production and political history in socialist Yugoslavia. She looks closely at the genesis of the performance and its documentation as a work of art, and relates the making of the work and the politics of canon-making to issues pertaining to the former East-West divide. She discusses the artistic language and meaning-making in relation to conceptualism and performance and to the position of women in Tito's Yugoslavia and in society at large, and investigates the notion that Iveković's work of this period is participating in citizenship, shifting the focus from the artist's subversive act to her capacity to shape the terms through which we order our world.

Ruth Noack, an art historian, critic, and curator, has taught at art schools and universities in Vienna, Lüneburg, and Kassel. She co-curated Documenta 12 (2007).

The first sustained examination of a canonical and widely exhibited work by a leading artist of the former Yugoslavia.

March

6 x 8 1/2, 112 pp.

32 illus. in color and black & white

\$16.00T/£9.95 paper

978-1-84638-095-2

\$35.00S/£19.95 cloth

978-1-84638-094-5

One Work series

Distributed for Afterall Books

Also available in this series

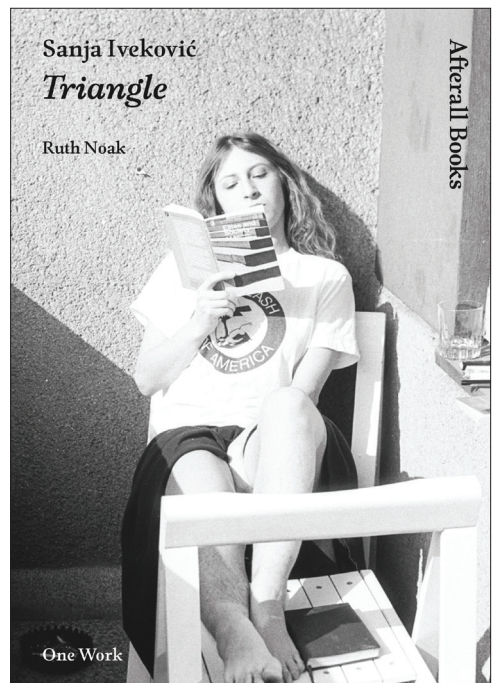
Yayoi Kusama

Infinity Mirror Room—Phalli's Field

Jo Applin

2012, 978-1-84638-091-4

\$16.00T/£9.95 paper



technology/urban studies

Maps poised at the intersection of art, architecture, activism, and geography trace a profound shift in our understanding and experience of space.

March
7 1/2 x 9, 232 pp.
175 color illus.,
50 black & white illus.

\$36.95T/£25.95 cloth
978-1-935408-28-4

Distributed for Zone Books

Also available from *Zone Books*

**Walled States,
Waning Sovereignty**
Wendy Brown

2010, 978-1-935408-08-6
\$25.95T/£17.95 cloth

Hide and Seek
Camouflage, Photography,
and the Media of Reconnaissance
Hanna Rose Shell

2012, 978-1-935408-22-2
\$32.95T/£22.95 cloth

Close Up at a Distance

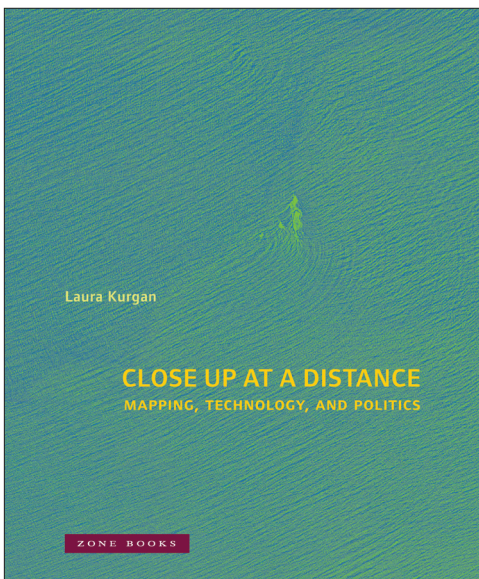
Mapping, Technology, and Politics

Laura Kurgan

The maps in this book are drawn with satellites, assembled with pixels radioed from outer space, and constructed from statistics; they record situations of intense conflict and express fundamental transformations in our ways of seeing and of experiencing space. These maps are built with Global Positioning Systems (GPS), remote sensing satellites, or Geographic Information Systems (GIS): digital spatial hardware and software designed for such military and governmental uses as reconnaissance, secrecy, monitoring, ballistics, the census, and national security. Rather than shying away from the politics and complexities of their intended uses, in *Close Up at a Distance* Laura Kurgan attempts to illuminate them. Poised at the intersection of art, architecture, activism, and geography, her analysis uncovers the implicit biases of the new views, the means of recording information they present, and the new spaces they have opened up.

Her presentation of these maps reclaims, repurposes, and discovers new and even inadvertent uses for them, including documentary, memorial, preservation, interpretation, political, or simply aesthetic. GPS has been available to both civilians and the military since 1991; the World Wide Web democratized the distribution of data in 1992; Google Earth has captured global bird's-eye views since 2005. Technology has brought about a revolutionary shift in our ability to navigate, inhabit, and define the spatial realm. The traces of interactions, both physical and virtual, charted by the maps in *Close Up at a Distance* define this shift.

Laura Kurgan is Associate Professor of Architecture at the Graduate School of Architecture, Preservation, and Planning at Columbia University, where she is Director of the Spatial Information Design Lab and Director of Visual Studies.



photography/politics

now in paper

The Civil Contract of Photography

Ariella Azoulay

In this compelling work, Ariella Azoulay reconsiders the political and ethical status of photography. Describing the power relations that sustain and make possible photographic meanings, Azoulay argues that anyone—even a stateless person—who addresses others through photographs or is addressed by photographs can become a member of the citizenry of photography. The civil contract of photography enables anyone to pursue political agency and resistance through photography.

Photography, Azoulay insists, cannot be understood separately from the many catastrophes of recent history. The crucial arguments of her book concern two groups with flawed or nonexistent citizenship: the Palestinian noncitizens of Israel and women in Western societies. Azoulay analyzes Israeli press photographs of violent episodes in the Occupied Territories, and interprets various photographs of women—from famous images by stop-motion photographer Eadweard Muybridge to photographs from Abu Ghraib prison. Azoulay asks this question: under what legal, political, or cultural conditions does it become possible to see and to show disaster that befalls those who can claim only incomplete or nonexistent citizenship?

Drawing on such key texts in the history of modern citizenship as the *Declaration of the Rights of Man* together with relevant work by Giorgio Agamben, Jean-François Lyotard, Susan Sontag, and Roland Barthes, Azoulay explores the visual field of catastrophe, injustice, and suffering in our time. Her book is essential reading for anyone seeking to understand the disasters of recent history—and the consequences of how these events and their victims have been represented.

Ariella Azoulay is Assistant Professor of Comparative Literature and Modern Culture and Media at Brown University and the author of *Death's Showcase: The Power of Image in Contemporary Democracy* (MIT Press).

"By deftly moving through historical and contemporary examples, Azoulay redresses assumptions about the political and social relationships photography can create."

—Todd Meyers, *Aperture*

"Azoulay's ethical and political interrogation of her circumstances as an Israeli citizen should be taken as a challenge to produce our own accounting."

—Abigail Solomon-Godeau, *Art in America*

"Azoulay's contribution to the study of politically charged photography is immense."

—Stephanie Cotella Tanner, *The Art Book*

An argument that anyone can pursue political agency and resistance through photography, even those with flawed or nonexistent citizenship.

March

6 x 9, 586 pp., 10 color illus., 100 black & white illus.

\$22.95T/£15.95 paper
978-1-890951-89-4

cloth 2008

978-1-890951-88-7

Distributed for Zone Books

Also available

Death's Showcase

The Power of Image
in Contemporary Democracy

Ariella Azoulay

2003, 978-0-262-51133-9

\$24.00T/£16.95 paper

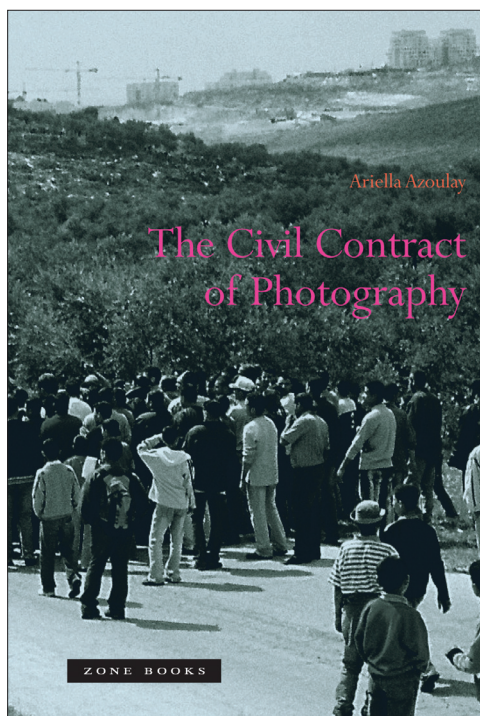
Profanations

Giorgio Agamben

2007, 978-1-890951-82-5

\$25.95T/£17.95 cloth

Distributed by Zone Books



cultural studies/politics

The Winter Is Over

Writings on Transformation Denied, 1989–1995

Antonio Negri

edited by Giuseppe Caccia

introduction by Jason E. Smith

translated by Isabella Bertolotti, James Cascaito,
and Andrea Casson

**Writings by Negri on the
brief thaw in the cold
winter of neoliberalism,
Thatcherism, Reaganomics,
and counterrevolution.**

January
6 x 9, 264 pp.

\$16.95T/£11.95 paper
978-1-58435-121-4

Foreign Agents series
Distributed for Semiotext(e)

Also available from Semiotext(e)

The Porcelain Workshop
For a New Grammar of Politics
Antonio Negri

2008, 978-1-58435-056-9
\$17.95T/£12.95 paper

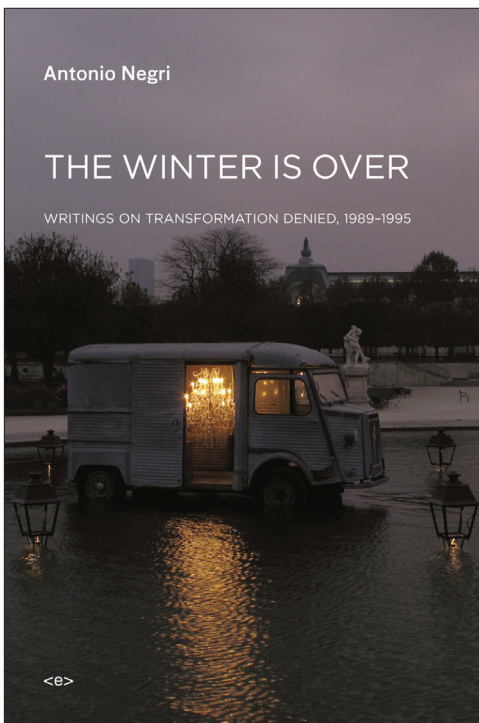
Automation and information technology have transformed the organization of labor to such an extent that the processes of exploitation have moved beyond the labor class and now work upon society as a whole. If this displacement has destroyed the political primacy of the labor class, it has not, however, eliminated exploitation; rather, it has broadened it, implanting it within the given conditions of the most diverse spheres of society.

—from *The Winter Is Over*

In late 1995, in opposition to the conservative agenda of Jacques Chirac and his prime minister Alain Juppé and their proposed widespread welfare cuts, French students rose up against their government; public sector workers, together with all the major trade unions, went on strike. When railway workers and Paris Metro personnel joined in the protests, France's public transportation system came to a halt. These extensive social upheavals, the likes of which had not been seen in France since 1968, found widespread public support and fuelled the creation of many political organizations. Chirac backed down from restructuring the public retirement system.

Antonio Negri's *The Winter Is Over* comes out of the glimmer of optimism created by the events of 1995, when the long, cold season of neoliberalism, Thatcherism, Reaganomics, reaction, and counter-revolution appeared to have run its course. Published in Italian in 1996, *The Winter Is Over* brings together a series of articles, speeches, and other documents written by Negri between 1989 and 1995 at the threshold of this thaw. It offers a revealing and wide-reaching account of those years of change and brink-of-change, focusing on such topics as the networks of social production, the decline of "limp thought," the end of applied socialism, the Gulf War, and, finally, Italy's transition to its so-called "Second Republic," as seen by an exile.

Antonio Negri is a philosopher, essay writer, and teacher. A political and social activist in the 1960s and 1970s in Italy, he has taught political science for many years and has written numerous books on political philosophy, including *Marx beyond Marx*, *The Savage Anomaly*, *Insurgencies*, *The Porcelain Workshop: For a New Grammar of Politics* (Semiotext(e)), and, in collaboration with Michael Hardt, *Empire*, *Multitude*, and *Commonwealth*.



cultural studies/radical politics

Factories of Knowledge, Industries of Creativity

Gerald Raunig

afterword by Antonio Negri

translated by Aileen Derieg

What was once the factory is now the university. As deindustrialization spreads and the working class is decentralized, new means of social resistance and political activism need to be sought in what may be the last places where they are possible: the university and the art world. Gerald Raunig's new book analyzes the potential that cognitive and creative labor has in these two arenas to resist the new regimes of domination imposed by cognitive capitalism. Drawing on Gilles Deleuze's concept of "modulation" as the market-driven imperative for the constant transformation and reinvention of subjectivity, in *Factories of Knowledge, Industries of Creativity*, Raunig charts alternative horizons for resistance.

Looking at recent social struggles including the university strikes in Europe, the Spanish ¡Democracia real YA! organization, the Arab revolts, and the Occupy movement, Raunig argues for a reassessment of the importance of cultural and knowledge production. The central role of the university, he asserts, is not as a factory of knowledge but as a place of creative disobedience.

Gerald Raunig is a philosopher and art theorist. He works at the Zürich University of the Arts, Zürich and the eipcp (European Institute for Progressive Cultural Policies), Vienna. He is coeditor of the multilingual Web journal *Transversal* and of *Kulturrisse*, the Austrian journal for radical democratic cultural politics. He is the author of *Art and Revolution* and *A Thousand Machines*, both published by Semiotext(e).

With the economy deindustrialized and the working class decentralized, a call for alternative horizons for resistance: the university and the art world.

March
4 1/2 x 7, 168 pp.

\$12.95T/£9.95 paper
978-1-58435-116-0

Intervention Series
Distributed for Semiotext(e)

Also available from Semiotext(e)

Art and Revolution
Transversal Activism in
the Long Twentieth Century
Gerald Raunig

2007, 978-1-58435-046-0
\$18.95T/£12.95 paper

A Thousand Machines
A Concise Philosophy of the
Machine as Social Movement
Gerald Raunig

2010, 978-1-58435-085-9
\$12.95T/£9.95 paper

Gerald Raunig

Factories of Knowledge Industries of Creativity

semiotext(e)
intervention
series □ 15

fiction

The Sad Passions

Veronica Gonzalez Peña

Told by six women in one family, Veronica Gonzalez Peña's *The Sad Passions* captures the alertness, beauty, and terror of childhood lived in proximity to madness. Set against the backdrop of a colonial past, spanning three generations, and shuttling from Mexico City to Oaxaca to the North Fork of Long Island to Veracruz, *The Sad Passions* is the lyrical story of a middle-class Mexican family torn apart by the undiagnosed mental illness of Claudia, a lost child of the 1960s and the mother of four little girls.

It is 1960, and the wild and impulsive sixteen-year-old Claudia elopes from her comfortable family home in Mexico City with Miguel, a seductive drifter who will remain her wandering husband for the next twenty years. Hitchhiking across the United States with Miguel, sometimes spending the night in jails, Claudia stops sleeping and begins seeing visions. Abandoned at a small clinic in Texas, she receives electroshock treatment while seven months pregnant with her first daughter. Afterward, Miguel leaves her, dumb and drooling, at her mother's doorstep.

Living more often at her mother's home than with Miguel, Claudia will give birth to four girls. But when Julia, her second daughter, is inexplicably given away to a distant relation in Los Angeles, Claudia's fragile, uncertain state comes to affect everyone around her. Julia's disappearance—which could symbolize the destabilizing effect of manic depression—will become the organizing myth in all of the daughters' unsettled lives; for if one can disappear, why not all of them?

Veronica Gonzalez Peña is the author of *twin time: or, how death befell me*, which won the Premio Aztlán Literary Prize in 2007. She is also the founder of rockypoint Press, which produces a series of artist-writer collaborations.

Praise for *twin time*

"Lush and layered, Veronica Gonzalez's *twin time* tells the story of Mona, who... loses herself in a forest of mind, memory and imagination, a fabulist labyrinth."

—Pam Houston, *O, the Oprah Magazine*

"I loved the fabric of this book; the rhythm was palpable. The forces swirling in and around the young girl and the estranged and luscious descriptions of nature and mating and storytelling and dreams were told so silently. It was like being in an aquarium looking out somehow."

—Eileen Myles, *The Believer*

"Defying easy categorization, Gonzalez's debut novel is a mesmerizing account of a young woman's search for truth... Gonzalez's hypnotic writing has elements of noir."

—*Publishers Weekly*

The lyrical story of a Mexican family torn apart by the fragility and madness of one of its members.

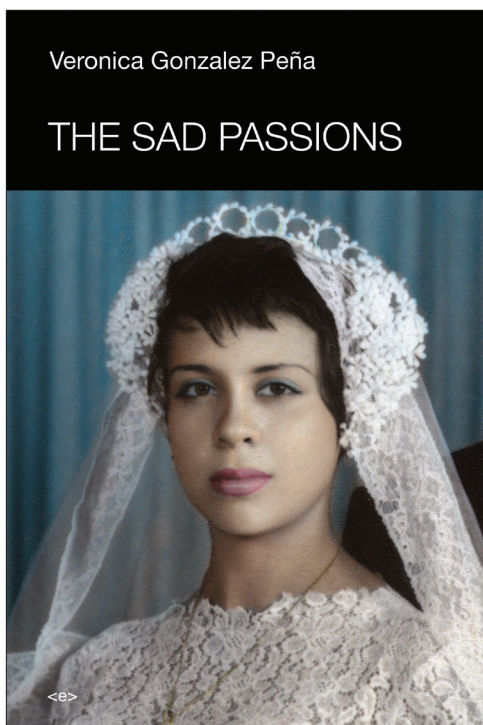
May
6 x 9, 344 pp.
17 black & white illus.

\$17.95T/£12.95 paper
978-1-58435-120-7

Native Agents series
Distributed for Semiotext(e)

Also available from Semiotext(e)

twin time
or, how death befell me
Veronica Gonzalez
2007, 978-1-58435-048-4
\$14.95T/£10.95 paper



environment

Harvesting the Biosphere

What We Have Taken from Nature

Vaclav Smil

The biosphere—the Earth’s thin layer of life—dates from nearly four billion years ago, when the first simple organisms appeared. Many species have exerted enormous influence on the biosphere’s character and productivity, but none has transformed the Earth in so many ways and on such a scale as *Homo sapiens*. In *Harvesting the Biosphere*, Vaclav Smil offers an interdisciplinary and quantitative account of human claims on the biosphere’s stores of living matter, from prehistory to the present day. Smil examines all harvests—from prehistoric man’s hunting of megafauna to modern crop production—and all uses of harvested biomass, including energy, food, and raw materials. Without harvesting of the biomass, Smil points out, there would be no story of human evolution and advancing civilization; but at the same time, the increasing extent and intensity of present-day biomass harvests is changing the very foundations of civilization’s well-being.

In his detailed and comprehensive account, Smil presents the best possible quantifications of past and current global losses in order to assess the evolution and extent of biomass harvests. Drawing on the latest work in disciplines ranging from anthropology to environmental science, Smil offers a valuable long-term, planet-wide perspective on human-caused environmental change.

Vaclav Smil is the author of thirty books on energy, environment, food, and history of technical advances, including (with Kazuhiko Kobayashi) *Japan’s Dietary Transition and Its Impacts* (MIT Press). Until 2011, he was a Distinguished Professor at the University of Manitoba in Canada. In 2010 he was named by *Foreign Policy* as one of the Top 100 Global Thinkers.

“A great book that will be a revered source of information about how we use our biosphere for a long time to come.”
—**Marc Imhoff, former Terra Project Scientist, Goddard Space Flight Center, NASA**

“Vaclav Smil always brings a wide and balanced perspective to his work. This new book is no exception. . . . More than just a synthesis of past research for it is enlivened by his own appraisal of the quality of what has been achieved and of our research needs for the future.”

—**Andrew Goudie, Professor Emeritus in Geography, University of Oxford**

An interdisciplinary and quantitative account of human claims on the biosphere’s stores of living matter, from prehistoric hunting to modern energy production.

February
7 x 9, 312 pp.
16 illus.

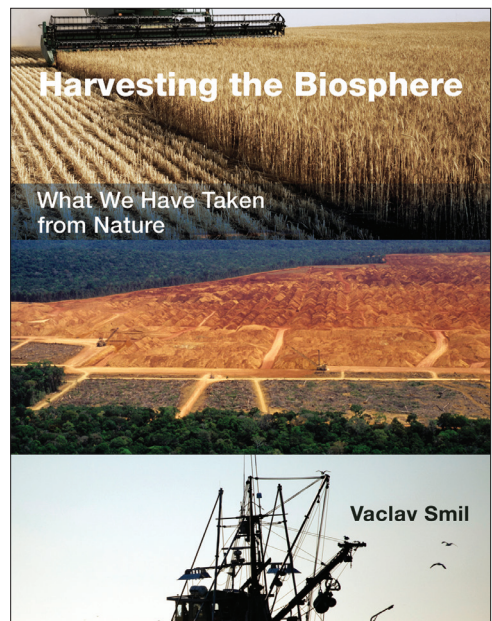
\$29.00S/£19.95 cloth
978-0-262-01856-2

Also available

Japan’s Dietary Transition and Its Impacts

Vaclav Smil and Kazuhiko Kobayashi

2012, 978-0-262-01782-4
\$29.00S/£19.95 cloth



Harvesting the Biosphere

What We Have Taken from Nature

Vaclav Smil

environment/psychology

The Rediscovery of the Wild

edited by Peter H. Kahn, Jr.,
and Patricia H. Hasbach

We often enjoy the benefits of connecting with nearby, domesticated nature—a city park, a backyard

A compelling case for connecting with the wild, for our psychological and physical well-being and to flourish as a species.

garden. But this book makes the provocative case for the necessity of connecting with wild nature—untamed, unmanaged, not encompassed, self-

organizing, and unencumbered and unmediated by technological artifice. We can love the wild. We can fear it. We are strengthened and nurtured by it. As a species, we came of age in a natural world far wilder than today's, and much of the need for wildness still exists within us, body and mind. *The Rediscovery of the Wild* considers ways to engage with the wild, protect it, and recover it—for our psychological and physical well-being and to flourish as a species.

The contributors offer a range of perspectives on the wild, discussing such topics as the evolutionary underpinnings of our need for the wild; the wild within, including the primal passions of sexuality and aggression; birding as a portal to wildness; children's fascination with wild animals; wildness and psychological healing; the shifting baseline of what we consider wild; and the true work of conservation.

Peter H. Kahn, Jr., is Professor in the Department of Psychology and Director of the Human Interaction with Nature and Technological Systems Laboratory at the University of Washington. **Patricia H. Hasbach** is a licensed clinical psychotherapist in private practice in Eugene, Oregon, and an adjunct faculty member at Lewis and Clark College and Antioch University Seattle. Kahn and Hasbach are coeditors of *Ecopsychology: Science, Totems, and the Technological Species* (MIT Press, 2012).

Contributors

E. N. Anderson, G. A. Bradshaw, Cristina Eisenberg, Dave Foreman, Patricia H. Hasbach, Peter H. Kahn, Jr., Ian McCallum, Gail F. Melson, Bridget Stutchbury, Elizabeth Marshall Thomas, Jack Turner

February — 6 x 9, 272 pp. — 2 illus.

\$27.00S/£18.95 paper
978-0-262-51833-8

\$54.00S/£37.95 cloth
978-0-262-01873-9

environment/international relations

Saving Global Fisheries

Reducing Fishing Capacity
to Promote Sustainability

J. Samuel Barkin and Elizabeth R. DeSombre

The Earth's oceans are overfished, despite more than fifty years of cooperation among the world's fishing nations. There are too

A proposal for a new global approach for fisheries focused on reducing fishing capacity and providing incentives for long-term sustainability.

many boats chasing too few fish. In *Saving Global Fisheries*, J. Samuel Barkin and Elizabeth DeSombre analyze the problem of overfishing and offer a provocative

proposal for a global regulatory and policy approach.

Existing patterns of international fisheries management try to limit the number of fish that can be caught while governments simultaneously subsidize increased fishing capacity, focusing on fisheries as an industry to be developed rather than on fish as a resource to be conserved. Regionally based international management means that protection in one area simply shifts fishing efforts to other species or regions. Barkin and DeSombre argue that global rather than regional regulation is necessary for successful fisheries management and emphasize the need to reduce subsidies. They propose an international system of individual transferable quotas that would give holders of permits an interest in the long-term health of fish stocks and help create a sustainable level of fishing capacity globally.

J. Samuel Barkin is Associate Professor in the Department of Conflict Resolution, Human Security, and Global Governance in the McCormack Graduate School of Policy and Global Studies at the University of Massachusetts Boston. He is the author of *Realist Construction: Rethinking International Relations Theory* and other books. **Elizabeth R. DeSombre** is Camilla Chandler Frost Professor of Environmental Studies and Director of the Environmental Studies Program at Wellesley College. She is the author of *Flagging Standards: Globalization and Environmental, Safety, and Labor Regulations at Sea* (MIT Press, 2006) and other books.

February — 6 x 9, 288 pp.

\$29.00S/£19.95 cloth
978-0-262-01864-7

environment/political science/urban studies

Taking Sustainable Cities Seriously

Economic Development, the Environment, and Quality of Life in American Cities

Second Edition

Kent E. Portney

Today most major cities have undertaken some form of sustainability initiative. Yet there have been few systematic comparisons across cities, or theoretically grounded considerations of what works and what does not, and why. In *Taking Sustainable Cities Seriously*, Kent Portney addresses this gap, offering a comprehensive overview and analysis of sustainability programs and policies in American cities. After discussing the conceptual underpinnings of sustainability, he examines the local aspects of sustainability; considers the measurement of sustainability and offers an index of “serious” sustainability for the fifty-five largest cities in the country; examines the relationship between sustainability and economic growth; and discusses issues of governance, equity, and implementation. He also offers extensive case studies, with separate chapters on large, medium-size, and small cities, and provides an empirically grounded analysis of why some large cities are more ambitious than others in their sustainability efforts.

This second edition has been updated throughout, with new material that draws on the latest research. It also offers numerous additional case studies, a new chapter on management and implementation issues, and a greatly expanded comparative analysis of big-city sustainability initiatives.

Portney shows how cities use the broad rubric of sustainability to achieve particular political ends, and he dispels the notion that only cities that are politically liberal are interested in sustainability. *Taking Sustainable Cities Seriously* draws a roadmap for effective sustainability initiatives.

Portney shows how cities use the broad rubric of sustainability to achieve particular political ends, and he dispels the notion that only cities that are politically liberal are interested in sustainability. *Taking Sustainable Cities Seriously* draws a roadmap for effective sustainability initiatives.

Kent E. Portney is Professor of Political Science at Tufts University. He is the author, coauthor, or coeditor of a number of books, including *The Rebirth of Urban Democracy* and *Acting Civically: From Local Neighborhoods to Higher Education*.

February — 6 x 9, 400 pp. — 3 illus.

\$29.00S/£19.95 paper
978-0-262-51827-7

American and Comparative Environmental Policy series

environment/urban studies

The Environmental Advantages of Cities

Countering Commonsense Antiurbanism

William B. Meyer

Conventional wisdom about the environmental impact of cities holds that urbanization and environmental

An analysis that offers evidence to challenge the widely held assumption that urbanization and environmental quality are necessarily at odds.

quality are necessarily at odds. Cities are seen to be sites of ecological disruption, consuming a disproportionate share of natural resources, producing high levels of pollution,

and concentrating harmful emissions precisely where the population is most concentrated. Cities appear to be particularly vulnerable to natural disasters, to be inherently at risk from outbreaks of infectious diseases, and even to offer dysfunctional and unnatural settings for human life. In this book, William Meyer tests these widely held beliefs against the evidence.

Borrowing some useful terminology from the public health literature, Meyer weighs instances of “urban penalty” against those of “urban advantage.” He finds that many supposed urban environmental penalties are illusory, based on commonsense preconceptions and not on solid evidence. In fact, greater degrees of “urbanness” often offer advantages rather than penalties. The characteristic compactness of cities, for example, lessens the pressure on ecological systems and enables resource consumption to be more efficient. On the whole, Meyer reports, cities offer greater safety from environmental hazards (geophysical, technological, and biological) than more dispersed settlement does. In fact, the city-defining characteristics widely supposed to result in environmental penalties do much to account for cities’ environmental advantages.

As of 2008 (according to U.N. statistics), more people live in cities than in rural areas. Meyer’s analysis clarifies the effects of such a profound shift, covering a full range of environmental issues in urban settings.

William B. Meyer is Associate Professor of Geography at Colgate University. He is the author of *Americans and Their Weather: A History and Human Impact on the Earth*.

April — 6 x 9, 248 pp. — 2 illus.

\$25.00S/£17.95 paper
978-0-262-51846-8

\$50.00S/£34.95 cloth
978-0-262-01904-0

Urban and Industrial Environments series

urban planning/transportation

Changing Lanes

Visions and Histories of Urban Freeways

Joseph F. C. DiMento and Cliff Ellis

The story of the evolution of the urban freeway, the competing visions that informed it, and the emerging alternatives for more sustainable urban transportation.

February
6 x 9, 376 pp.
53 illus.

\$34.00S/£23.95 cloth
978-0-262-01858-6

Urban and Industrial
Environments series

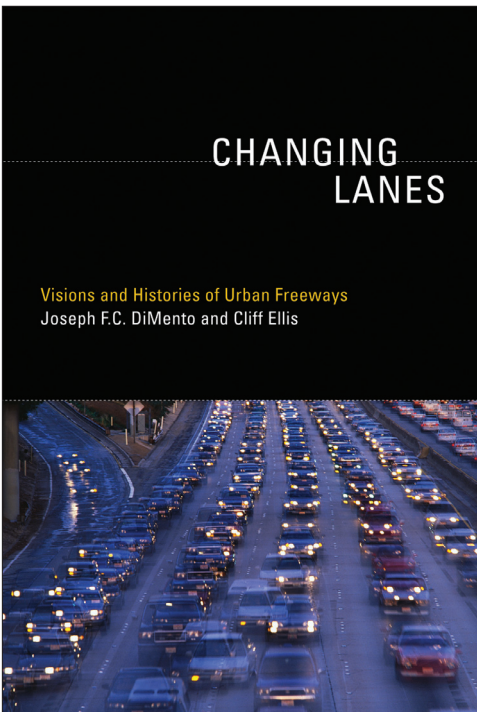
Urban freeways often cut through the heart of a city, destroying neighborhoods, displacing residents, and reconfiguring street maps. These massive infrastructure projects, costing billions of dollars in transportation funds, have been shaped for the last half century by the ideas of highway engineers, urban planners, landscape architects, and architects—with highway engineers playing the leading role. In *Changing Lanes*, Joseph DiMento and Cliff Ellis describe the evolution of the urban freeway in the United States, from its rural parkway precursors through the construction of the interstate highway system to emerging alternatives for more sustainable urban transportation.

DiMento and Ellis examine the competing visions of the different professions involved in planning these highways and their varying approaches to improving city life. They describe controversies that arose over urban freeway construction, focusing on three cases: Syracuse, which early on embraced freeways through its center; Los Angeles, which rejected some routes and then built I-105, the most expensive urban road of its time; and Memphis, which blocked the construction of I-40 through its core. Finally, they consider the emerging urban highway removal movement and other innovative efforts by cities to re-envision urban transportation.

Joseph F. C. DiMento is Professor in the School of Law and Director of the Newkirk Center for Science and Society at the University of California, Irvine. He is the author of *The Global Environment and International Law*, among other books, and coeditor of *Climate Change: What It Means for Us, Our Children, and Our Grandchildren* (MIT Press, 2007). **Cliff Ellis** is Associate Professor in the Graduate Program in City and Regional Planning at Clemson University.

“Joseph DiMento and Cliff Ellis highlight a largely neglected part of freeway history, the contest of ideas and visions of the freeway’s role in the city amongst professional architects, landscape architects, planners, and engineers. Their richly detailed case studies illustrate that the tension between the often-conflicting worldviews of these professionals ultimately resolved itself in a way that privileged the freeway’s traffic-carrying role with profound consequences, both for good and for ill, for the development of the city and the lives of its residents.”

—Jeffrey Brown, Department of Urban and Regional Planning, Florida State University



environment/sociology

Contested Water

The Struggle Against Water Privatization in the United States and Canada

Joanna L. Robinson

Attempts by local governments to privatize water services have met with furious opposition. Activists argue that to give private companies control of the water supply is to turn water from a common resource into a marketized commodity. Moreover, to cede local power to a global corporation puts communities at the center of controversies over economic globalization. In *Contested Water*, Joanna Robinson examines local social movement organizing against water privatization, looking closely at battles for control of local water services in Stockton, California, and Vancouver, British Columbia. The movements in these two communities had different trajectories, used different tactics, and experienced different outcomes. Robinson analyzes the factors that shaped these two struggles.

Drawing on extensive interviews with movement actors, political leaders, and policymakers and detailed analysis of textual material, Robinson shows that the successful campaign in Vancouver drew on tactics, opportunities, and narratives from the broader anti-globalization movement, with activists emphasizing the threats to local democracy and accountability; the less successful movement in Stockton centered on a ballot initiative that was made meaningless by a pre-emptive city council vote. Robinson finds that global forces are reshaping local movements, particularly those that oppose neoliberal reforms at the municipal level. She argues that anti-water privatization movements that link local and international concerns and build wide-ranging coalitions at local and global levels offer an effective way to counter economic globalization. Successful challenges to globalization will not necessarily come from transnational movements but rather from movements that are connected globally but rooted in local communities.

Joanna L. Robinson is Assistant Professor of Sociology at Glendon College, York University, Toronto.

April — 6 x 9, 208 pp. — 2 illus.

\$23.00S/£15.95 paper
978-0-262-51839-0

\$46.00S/£31.95 cloth
978-0-262-01885-2

Urban and Industrial Environments series

bioethics/neuroscience/public policy

Intervention in the Brain

Politics, Policy, and Ethics

Robert H. Blank

New findings in neuroscience have given us unprecedented knowledge about the workings of the brain. Innovative research—much of it based on neuroimaging results—suggests not only treatments for neural disorders but also the possibility of increasingly precise and effective ways to predict, modify, and control behavior. In this book, Robert Blank examines the complex ethical and policy issues raised by our new capabilities of intervention in the brain.

After surveying current knowledge about the brain and describing a wide range of experimental and clinical interventions—from behavior-modifying drugs to neural implants to virtual reality—Blank discusses the political and philosophical implications of these scientific advances. If human individuality is simply a product of a network of manipulable nerve cell connections, and if aggressive behavior is a treatable biochemical condition, what happens to our conceptions of individual responsibility, autonomy, and free will? In light of new neuroscientific possibilities, Blank considers such topics as informed consent, addiction, criminal justice, racism, commercial and military applications of neuroscience research, new ways to define death, and political ideology and partisanship.

Our political and social institutions have not kept pace with the rapid advances in neuroscience. This book shows why the political issues surrounding the application of this new research should be debated before interventions in the brain become routine.

Robert H. Blank is Professor of Political Science at the University of Canterbury in New Zealand and Research Scholar at New College of Florida. His books include *Brain Policy*, *Comparative Health Policy* (with Viola Burau), and *End of Life Decision-Making: A Cross-National Study* (coedited with Janna Merrick; MIT Press, 2005).

May — 6 x 9, 344 pp. — 3 illus.

\$34.00S/£23.95 cloth
978-0-262-01891-3

Basic Bioethics series

business/finance

Operations Forensics

Business Performance Analysis Using Operations Measures and Tools

Richard Lai

Investors and analysts often need to look into a firm's operations more deeply than traditional financial statements and models allow. This book describes newly developed tools for using operations metrics to discern and influence the valuation of a firm. It is the first to present these techniques from a unified perspective: that of operations forensics, which looks at operations management not from the traditional point of view of a manager but from that of an investor or shareholder.

After a discussion of financial statements and the useful but incomplete insights they provide, the book covers the three components of operations forensics: operational indicators, operations details that can predict future performance; operational due diligence, methods for verifying companies' claims about operational excellence and valuing their operational assets; and operational turnaround, an innovative approach to buyout and turnaround strategies. The text also offers brief reviews of operations management concepts, real-world examples of operations forensics, and a glossary. The mathematical material gradually increases in sophistication as the book progresses (but can be skipped without loss of continuity). Each chapter concludes with a "Takeaways and Toolkit" section, a brief summary of prior research, and suggestions for further reading.

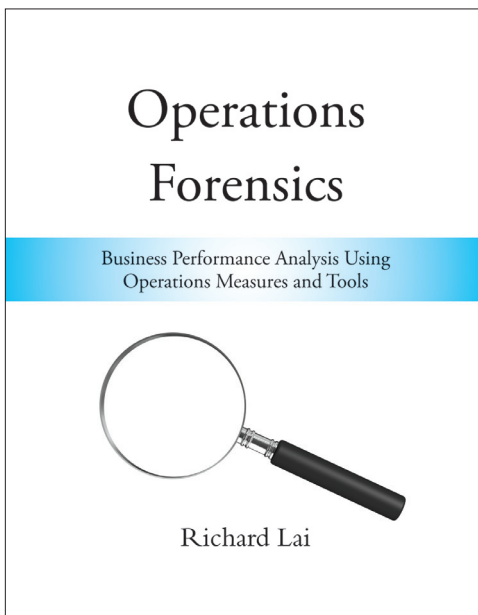
Operations forensics offers powerful tools and frameworks for financial analysts, private equity firms, managers, and consultants. This book provides a valuable resource for MBA students and practitioners. Downloadable supplementary material for instructors includes figures from the text and 42 slides that can be used for class presentations.

Richard Lai works in private equity. On the faculty of the Wharton School of the University of Pennsylvania from 2008 to 2011, he has also worked in banking, consulting, and wealth management. At Wharton, he taught the popular "Operations Performance Analysis" MBA course.

Powerful tools for using operations metrics to analyze companies in ways that go beyond traditional financial models and statements.

March
7 x 9, 384 pp.
87 illus.

\$65.00S/£44.95 cloth
978-0-262-01866-1



economics/finance

Banking on Democracy

Financial Markets and Elections
in Emerging Countries

Javier Santiso

Politics matter for financial markets and financial markets matter for politics, and nowhere is this relationship

A data-driven investigation of the interaction between politics and finance in emerging markets, focusing on Latin America.

more apparent than in emerging markets. In *Banking on Democracy*, Javier Santiso investigates the links between politics and finance in countries that have

recently experienced both economic and democratic transitions. He focuses on elections, investigating whether there is a “democratic premium”—whether financial markets and investors tend to react positively to elections in emerging markets.

Santiso devotes special attention to Latin America, where over the last three decades many countries became democracies, with regular elections, just as they also became open economies dependent on foreign capital and dominated bond markets. Santiso’s analysis draws on a unique set of primary databases (developed during his years at the OECD Development Centre) covering an entire decade: more than 5,000 bank and fund manager portfolio recommendations on emerging markets.

Santiso examines the trajectory of Brazil, for example, through its presidential elections of 2002, 2006, and 2010 and finds a decoupling of financial and political cycles that also occurred in many other emerging economies. He charts this evolution through the behavior of brokers, analysts, fund managers, and bankers. Ironically, Santiso points out, while some emerging markets have decoupled politics and finance, in the wake of the 2008–2012 financial crisis many developed economies (Europe and the United States) have experienced a recoupling between finance and politics.

Javier Santiso is Professor of Economics at ESADE Business School, Spain, and Director of the ESADE Center for the Global Economy and Geopolitics (ESADEgeo). He is the author of *Latin America’s Political Economy of the Possible: Beyond Good Revolutionaries and Free-Marketters* (MIT Press, 2006).

June — 6 x 9, 336 pp. — 84 illus.

\$40.00S/£27.95 cloth
978-0-262-01900-2

economics

The Limits of Inference without Theory

Kenneth I. Wolpin

In this rigorous and well-crafted work, Kenneth Wolpin examines the role of theory in inferential

The role of theory in *ex ante* policy evaluations and the limits that eschewing theory places on inference.

empirical work in economics and the social sciences in general—that is, any research that uses raw data to go beyond the mere statement of

fact or the tabulation of statistics. He considers in particular the limits that eschewing the use of theory places on inference.

Wolpin finds that the absence of theory in inferential work that addresses microeconomic issues is pervasive. That theory is unnecessary for inference is exemplified by the expression “let the data speak for themselves.” This approach is often called “reduced form.” A more nuanced view is based on the use of experiments or quasi-experiments to draw inferences. Atheoretical approaches stand in contrast to what is known as the structuralist approach, which requires that a researcher specify an explicit model of economic behavior—that is, a theory. Wolpin offers a rigorous examination of both structuralist and nonstructuralist approaches. He first considers *ex ante* policy evaluation, highlighting the role of theory in the implementation of parametric and nonparametric estimation strategies. He illustrates these strategies with two examples, a wage tax and a school attendance subsidy, and summarizes the results from applications. He then presents a number of examples that illustrate the limits of inference without theory: the effect of unemployment benefits on unemployment duration; the effect of public welfare on women’s labor market and demographic outcomes; the effect of school attainment on earnings; and a famous field experiment in education dealing with class size. Placing each example within the context of the broader literature, he contrasts them to recent work that relies on theory for inference.

Kenneth I. Wolpin is Walter H. and Lenore C. Annenberg Professor in the Social Sciences at the University of Pennsylvania.

May — 6 x 9, 192 pp. — 3 illus.

\$35.00S/£24.95 cloth
978-0-262-01908-8

Tjalling C. Koopmans Memorial Lectures series

economics/finance

Central Bank Communication, Decision Making, and Governance

Issues, Challenges, and Case Studies

edited by **Pierre L. Siklos**
and **Jan-Egbert Sturm**

In recent years central bankers have placed new emphasis on communication with financial markets and the general public. They have done this not only through the traditional channel of monetary policy pronouncements but also by increasing the quantity of information they make public. Yet as central banks strive to provide more and clearer information about the outlook for the economy, they must balance their capacity to steer economic expectations with their natural caution about committing to future monetary policy paths. This volume offers a variety of perspectives on the economic implications of increased central bank communication.

Contributors offer theoretical analyses of the effect of central bank communication on the general macroeconomic environment; consider a variety of novel empirical approaches to the issue; and analyze communication, decision making, and governance practices of the Greenspan-era U.S. Federal Reserve, the fledgling European Central Bank, and a variety of smaller central banks, including those of the Czech Republic, Sweden, England, and New Zealand.

Pierre L. Siklos is Professor of Economics and Director of the Viessmann European Research Centre at Wilfrid Laurier University's School of Business and Economics, Waterloo, Canada. **Jan-Egbert Sturm** is Professor of Applied Macroeconomics and Director of KOF Swiss Economic Institute at ETH Zurich.

Contributors

Helge Berger, Michelle Bligh, Marianna Blix-Grimaldi, Aleš Bulíř, Robert Chirinko, Martin Čihák, Christopher Curran, Paul De Grauwe, Jakob de Haan, Michael Ehrmann, Marcel Fratzscher, Petra Geraats, Gregory Hess, Roman Horváth, David-Jan Jansen, Özer Karagedikli, Michael Lamla, David Mayes, Alberto Montagnoli, Pierre L. Siklos, Kateřina Šmídková, Jan-Egbert Sturm, Jan Zápál

June — 6 x 9, 328 pp. — 43 illus.

\$35.00S/£24.95 cloth
978-0-262-01893-7

CESifo Seminar series

economics

Critical Issues in Taxation and Development

edited by **Clemens Fuest** and **George R. Zodrow**

Many developing countries find it difficult to raise the revenue required to provide such basic public services as education, health care, and infrastructure. Complicating the policy challenges of taxation in developing countries are issues that most developed countries do not face, including widespread corruption, tax evasion and tax avoidance, and ineffective political structures. In this volume, experts investigate crucial challenges confronted by developing countries in raising revenue.

After a comprehensive and insightful overview, each chapter uses modern empirical methods to study a single critical issue essential to understanding the effects of taxes on development. Topics addressed include the effect of taxation on foreign direct investment; forms of corruption, tax evasion, and tax avoidance that are specific to developing countries; and issues related to political structure, including the negative effects of fiscal decentralization on the effectiveness of developmental aid and the relationship between democracy and taxation in Asian, Latin American, and European Union countries that have recently experienced both political and economic transitions.

Clemens Fuest is Research Director of the Oxford University Centre for Business Taxation and Professor of Business Taxation at Oxford's Saïd Business School.

George R. Zodrow is Professor of Economics and Rice Scholar in the Baker Institute for Public Policy at Rice University and International Research Fellow at the Oxford University Centre for Business Taxation. He is the coeditor of *Fundamental Tax Reform: Issues, Choices, and Implications* (MIT Press, 2008).

Contributors

Clemens Fuest, Timothy Goodspeed, Shafik Hebous, Michael Keen, Christian Lessmann, Boryana Madzharova, Giorgia Maffini, Gunther Markwardt, Jorge Martinez-Vazquez, Paola Profeta, Riccardo Puglisi, Nadine Riedel, Simona Scabrosetti, Johannes Stroebel, Mirco Tonin, Arthur van Benthem, Li Zhang, George Zodrow

May — 6 x 9, 248 pp. — 7 illus.

\$35.00S/£24.95 cloth
978-0-262-01897-5

CESifo Seminar series

economics/Asian studies

Chronicles from the Field

The Townsend Thai Project

Robert M. Townsend, Sombat Sakunthasathien, and Rob Jordan

Running since 1997 and continuing today, the Townsend Thai Project has tracked millions of

Lessons learned in the process of designing and implementing one of the longest-running panel data surveys in development economics.

observations about the economic activities of households and institutions in rural and urban Thailand. The project represents one of the most extensive datasets in the developing world.

Chronicles from the Field offers an account of the design and implementation of this unique panel data survey. It tells the story not only of the origins and operations of the project but also of the challenges and rewards that come from a search to understand the process of a country's economic development.

The book explains the technical details of data collection and survey instruments but emphasizes the human side of the project, describing the culture shock felt by city-dwelling survey enumerators in rural villages, the “surprising, eye-opening, and inspiring” responses to survey questions, and the never-ending resourcefulness of the survey team. The text is supplemented by an epilogue on research findings and policy recommendations and an appendix that contains a list and abstracts of published and working papers, organized by topic, using data from the project.

Social and economic policies are too often skewed by political considerations. The Townsend Thai Project offers another basis for policy: accurate measurement based on thoroughly collected data. From this, a clear template emerges for understanding poverty and alleviating it.

Robert M. Townsend is Elizabeth & James Killian Professor of Economics at MIT. In 2012 he was awarded the Frisch Medal by the Econometric Society for his research on the village economies of Thailand, becoming the only two-time winner of this prize. **Sombat Sakunthasathien** is Director of the Thai Family Research Project. **Rob Jordan** is an award-winning journalist and writer.

May — 6 x 9, 160 pp. — 16 illus.

\$35.00S/£24.95 cloth
978-0-262-01907-1

economics

Recursive Macroeconomic Theory

Third Edition

Lars Ljungqvist and Thomas J. Sargent

Recursive methods offer a powerful approach for characterizing and solving complicated problems in

A substantially revised new edition of a widely used text, offering both an introduction to recursive methods and advanced material.

dynamic macroeconomics. *Recursive Macroeconomic Theory* provides both an introduction to recursive methods and advanced material, mixing tools and sample

applications. Only experience in solving practical problems fully conveys the power of the recursive approach, and the book provides many applications. This third edition offers substantial new material, with three entirely new chapters and significant revisions to others. The new content reflects recent developments in the field, further illustrating the power and pervasiveness of recursive methods.

New chapters cover asset pricing empirics with possible resolutions to puzzles; analysis of credible government policy that entails state variables other than reputation; and foundations of aggregate labor supply with time averaging replacing employment lotteries. Other new material includes a multi-country analysis of taxation in a growth model, elaborations of the fiscal theory of the price level, and age externalities in a matching model.

The book is suitable for both first- and second-year graduate courses in macroeconomics and monetary economics. Most chapters conclude with exercises. Many exercises and examples use Matlab programs, which are cited in a special index at the end of the book.

Lars Ljungqvist is Professor of Economics at the Stockholm School of Economics. **Thomas J. Sargent** is Berkley Professor of Economics and Business at New York University and Senior Fellow at the Hoover Institution. He was the recipient of the 2011 Nobel Prize in Economic Sciences.

“Lars Ljungqvist and Thomas Sargent’s book provides comprehensive, how-to-do-it coverage of the methods of modern macroeconomic dynamics.... It is both an encyclopedic, up-to-date reference and a practical teaching tool.”

—**Robert Lucas, University of Chicago; Nobel Laureate in Economic Sciences, 1995**

Available — 7 x 9, 1,360 pp. — 122 illus.

\$90.00X/£54.95 cloth
978-0-262-01874-6

economics

Intermediate Public Economics

Second Edition

Jean Hindriks and Gareth D. Myles

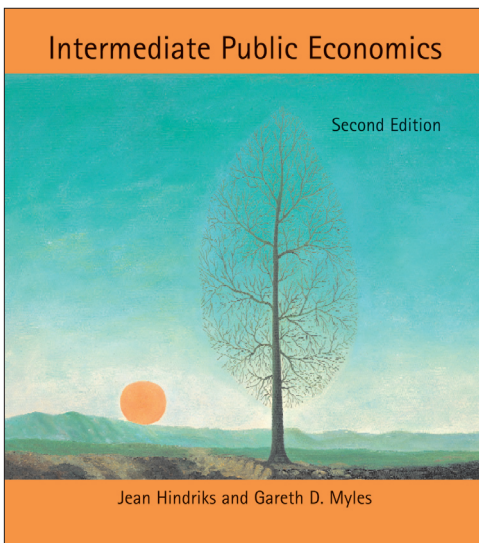
Public economics studies how government taxing and spending activities affect the economy—economic efficiency and the distribution of income and wealth. This comprehensive text on public economics covers the core topics of market failure and taxation as well as recent developments in both policy and the academic literature. It is unique not only in its broad scope but in its balance between public finance and public choice and its combination of theory and relevant empirical evidence.

The book covers the theory and methodology of public economics; presents a historical and theoretical overview of the public sector; and discusses such topics as departures from efficiency (including imperfect competition and asymmetric information), issues in political economy, equity, taxation, fiscal federalism, and tax competition among independent jurisdictions. Suggestions for further reading, from classic papers to recent research, appear in each chapter, as do exercises. The mathematics has been kept to a minimum without sacrificing intellectual rigor; the book remains analytical rather than discursive. This second edition has been thoroughly updated throughout. It offers new chapters on behavioral economics, limits to redistribution, international taxation, cost-benefit analysis, and the economics of climate policy. Additional exercises have been added and many sections revised in response to advice from readers of the first edition.

A new edition of a comprehensive text, updated throughout, with new material on behavioral economics, international taxation, cost-benefit analysis, and the economics of climate policy.

April
8 x 9, 952 pp.
214 illus.

\$85.00X/£46.95 cloth
978-0-262-01869-2



Jean Hindriks is Professor in the Economics Department and Codirector of the Center for Operations Research and Econometrics (CORE) at the Université Catholique de Louvain. **Gareth D. Myles** is Professor of Economics at the University of Exeter, a Research Fellow at the Institute for Fiscal Studies, London, and the author of *Public Economics*.

Solutions Manual to Accompany *Intermediate Public Economics* Second Edition

Nigar Hashimzade, Jean Hindriks,
and Gareth D. Myles

A solutions manual for all 582 exercises in the second edition of *Intermediate Public Economics*.

April
7 x 9, 608 pp.
126 illus.

\$35.00X/£24.95 paper
978-0-262-51848-2

business/management

Leading Open Innovation

edited by Anne Sigismund Huff, Kathrin M. Möslin,
and Ralf Reichwald

In today's competitive globalized market, firms are increasingly reaching beyond conventional internal methods of research and development to use ideas developed through processes of open innovation (OI). Organizations including Siemens, Nokia, Wikipedia, Hyve, and innosabi may launch elaborate OI initiatives, actively seeking partners to help them innovate in specific areas. Individuals affiliated by common interests rather than institutional ties use OI to develop new products, services, and solutions to meet unmet needs.

This volume describes the ways that OI expands the space for innovation, describing a range of OI practices, participants, and trends. The contributors come from practice and academe, and reflect international, cross-sector, and transdisciplinary perspectives. They report on a variety of OI initiatives, offer theoretical frameworks, and consider new arenas for OI from manufacturing to education.

Anne Sigismund Huff is Professor and Director of Research Development at the National University of Ireland, Maynooth. **Kathrin M. Möslin** is Professor of Information Systems and Research Dean at the School of Business and Economics at the University of Erlangen–Nuremberg. **Ralf Reichwald** is Professor of Management at HHL Leipzig Graduate School of Management and TUM Emeritus of Excellence at the Technische Universität München. The editors are also the Academic Directors of CLIC, HHL's Center for Leading Innovation & Cooperation (www.clicresearch.org).

Contributors

Nizar Abdelkafi, John Bessant, Yves Doz, Johann Füller, Lynda Gratton, Rudolf Gröger, Julia Hautz, Anne Sigismund Huff, Katja Hutter, Christoph Ihl, Thomas Lackner, Karim R. Lakhani, Kathrin M. Möslin, Anne-Katrin Neyer, Frank Piller, Ralf Reichwald, Mitchell M. Tseng, Catharina van Delden, Andrei Villarroel, Eric von Hippel, Bettina von Stamm, Nancy Wunderlich

Learning from broad experience with open innovation: how it works, who contributes to it, and arenas for innovation from manufacturing to education.

February
8 x 9, 328 pp.
109 illus.

\$40.00S/£27.95 cloth
978-0-262-01849-4



education/media

Learning at Not-School

A Review of Study, Theory, and Advocacy for Education in Non-Formal Settings

Julian Sefton-Green

Schools do not define education, and they are not the only institutions in which learning takes place. After-

A review of research on “not-school” learning that investigates what is distinctive in the quality of learning in these settings.

school programs, music lessons, Scouts, summer camps, on-the-job training, and home activities all offer out-of-school educational experiences. In *Learning at Not-School*,

Julian Sefton-Green explores studies and scholarly research on out-of-school learning, investigating just what it is that is distinctive about the quality of learning in these “not-school” settings.

Sefton-Green focuses on those organizations and institutions that have developed parallel to public schooling and have emerged as complements, supplements, or attempts to remediate the alleged failures of schools. He reviews salient principles, landmark studies, and theoretical approaches to learning in not-school environments, reporting on the latest scholarship in the field. He examines studies of creative media production and considers ideas of “learning-to-learn” that relate to analyses of language and technology. And he considers other forms of “in-formal” learning—in the home and in leisure activities—in terms of not-school experiences. Where possible, he compares the findings of U.S.-based studies with those of non-U.S.-based studies, highlighting core conceptual issues and identifying what we often take for granted.

Many not-school organizations and institutions set out to be different from schools, embodying different conceptions of community and educational values. Sefton-Green’s careful consideration of these learning environments in pedagogical terms offers a crucial way to understand how they work.

Julian Sefton-Green is a Principal Research Fellow in the Department of Media and Communications at the London School of Economics and Political Science, University of London.

Available — 5 3/8 x 8, 100 pp.

\$14.00S/£9.95 paper
978-0-262-51824-6

The John D. and Catherine T. MacArthur Foundation Reports on Digital Media and Learning

education/technology

Measuring What Matters Most

Choice-Based Assessments for the Digital Age

Daniel L. Schwartz and Dylan Arena

If a fundamental goal of education is to prepare students to act independently in the world—in other

An argument that choice-based, process-oriented educational assessments are more effective than static assessments of fact retrieval.

words, to make good choices—an ideal educational assessment would measure how well we are preparing students to do so. Current assess-

ments, however, focus almost exclusively on how much knowledge students have accrued and can retrieve. In *Measuring What Matters Most*, Daniel Schwartz and Dylan Arena argue that choice should be the interpretive framework within which learning assessments are organized. Digital technologies, they suggest, make this possible; interactive assessments can evaluate students in a context of choosing whether, what, how, and when to learn.

Schwartz and Arena view choice not as an instructional ingredient to improve learning but as the outcome of learning. Because assessments shape public perception about what is useful and valued in education, choice-based assessments would provide a powerful lever in this reorientation in how people think about learning.

Schwartz and Arena consider both theoretical and practical matters. They provide an anchoring example of a computerized, choice-based assessment, argue that knowledge-based assessments are a mismatch for our educational aims, offer concrete examples of choice-based assessments that reveal what knowledge-based assessments cannot, and analyze the practice of designing assessments. Because high variability leads to innovation, they suggest democratizing assessment design to generate as many instances as possible. Finally, they consider the most difficult aspect of assessment: fairness. Choice-based assessments, they argue, shed helpful light on fairness considerations.

Daniel L. Schwartz is Professor of Education at Stanford University. **Dylan Arena** is Cofounder and Chief Learning Officer at Kidapt, Inc., in Palo Alto, California.

February — 5 3/8 x 8, 192 pp. — 17 illus.

\$14.00S/£9.95 paper
978-0-262-51837-6

The John D. and Catherine T. MacArthur Foundation Reports on Digital Media and Learning

computer science

Algorithms Unlocked

Thomas H. Cormen

Have you ever wondered how your GPS can find the fastest way to your destination, selecting one route from seemingly countless possibilities in mere seconds? How your credit card account number is protected when you make a purchase over the Internet? The answer is algorithms. And how do these mathematical formulations translate themselves into your GPS, your laptop, or your smart phone? This book offers an engagingly written guide to the basics of computer algorithms. In *Algorithms Unlocked*, Thomas Cormen—coauthor of the leading college textbook on the subject—provides a general explanation, with limited mathematics, of how algorithms enable computers to solve problems.

Readers will learn what computer algorithms are, how to describe them, and how to evaluate them. They will discover simple ways to search for information in a computer; methods for rearranging information in a computer into a prescribed order (“sorting”); how to solve basic problems that can be modeled in a computer with a mathematical structure called a “graph” (useful for modeling road networks, dependencies among tasks, and financial relationships); how to solve problems that ask questions about strings of characters such as DNA structures; the basic principles behind cryptography; fundamentals of data compression; and even that there are some problems that no one has figured out how to solve on a computer in a reasonable amount of time.

Thomas H. Cormen is Professor of Computer Science and former Director of the Institute for Writing and Rhetoric at Dartmouth College. He is the coauthor (with Charles E. Leiserson, Ronald L. Rivest, and Clifford Stein) of the leading textbook on computer algorithms, *Introduction to Algorithms* (third edition, MIT Press, 2009).

For anyone who has ever wondered how computers solve problems, an engagingly written guide for nonexperts to the basics of computer algorithms.

March
6 x 9, 240 pp.

\$25.00S/£17.95 paper
978-0-262-51880-2

Also available

Introduction to Algorithms

Third Edition

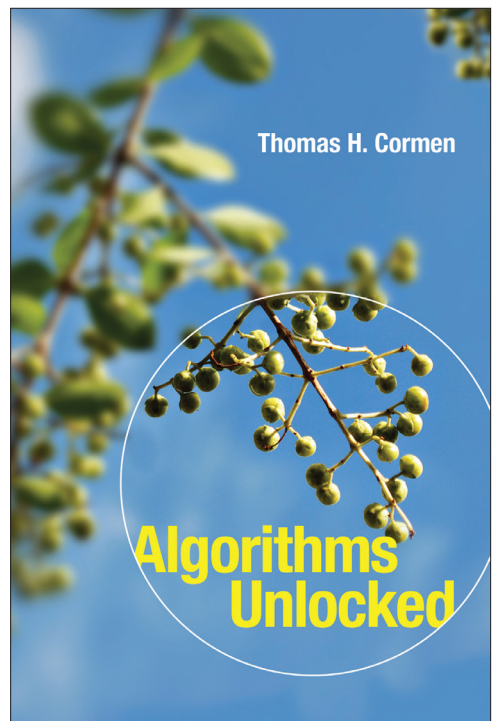
**Thomas H. Cormen,
Charles E. Leiserson,
Ronald L. Rivest, and Clifford Stein**

2009, 978-0-262-03384-8
\$92.00X/£63.95 cloth

2009, 978-0-262-53305-8

\$70.00X/£42.95 ISE

(Not available in the USA or Canada)



computer science/philosophy

Computability

Turing, Gödel, Church, and Beyond

edited by **B. Jack Copeland, Carl J. Posy, and Oron Shagrir**

In the 1930s a series of seminal works published by Alan Turing, Kurt Gödel, Alonzo Church, and others established the theoretical basis for computability. This work, advancing precise characterizations of effective, algorithmic computability, was the culmination of intensive investigations into the

Computer scientists, mathematicians, and philosophers discuss the conceptual foundations of the notion of computability as well as recent theoretical developments.

foundations of mathematics. In the decades since, the theory of computability has moved to the center of discussions in philosophy, computer science, and cognitive science. In this volume, distinguished computer scientists, mathematicians, logicians, and philosophers consider the conceptual foundations of computability in light of our modern understanding.

Some chapters focus on the pioneering work by Turing, Gödel, and Church, including the Church-Turing thesis and Gödel's response to Church's and Turing's proposals. Other chapters cover more recent technical developments, including computability over the reals, Gödel's influence on mathematical logic and on recursion theory and the impact of work by Turing and Emil Post on our theoretical understanding of online and interactive computing; and others relate computability and complexity to issues in the philosophy of mind, the philosophy of science, and the philosophy of mathematics.

B. Jack Copeland is Professor of Philosophy at the University of Canterbury, New Zealand, and Director of the Turing Archive for the History of Computing. **Carl J. Posy** is Professor of Philosophy and Member of the Centers for the Study of Rationality and for Language, Logic, and Cognition at the Hebrew University of Jerusalem. **Oron Shagrir** is Associate Professor of Philosophy and Cognitive Science and a member of the Center for Language, Logic, and Cognition at the Hebrew University of Jerusalem.

July — 7 x 9, 376 pp. — 1 illus.

\$35.00S/£24.95 cloth
978-0-262-01899-9

computer science/programming languages

Programming Distributed Computing Systems

A Foundational Approach

Carlos A. Varela

Starting from the premise that understanding the foundations of concurrent programming is key to developing distributed computing systems, this book first presents the fundamental theories of concurrent computing and then introduces the programming languages that help develop distributed computing systems

An introduction to fundamental theories of concurrent computation and associated programming languages for developing distributed and mobile computing systems.

at a high level of abstraction. The major theories of concurrent computation—including the π -calculus, the actor model, the join calculus, and mobile ambients—are explained with a focus on how they help design and reason about distributed and mobile computing systems. The book then presents programming languages that follow the theoretical models already described, including Pict, SALSA, and JoCaml. The parallel structure of the chapters in both part one (theory) and part two (practice) enable the reader not only to compare the different theories but also to see clearly how a programming language supports a theoretical model.

The book is unique in bridging the gap between the theory and the practice of programming distributed computing systems. It can be used as a textbook for graduate and advanced undergraduate students in computer science or as a reference for researchers in the area of programming technology for distributed computing. By presenting theory first, the book allows readers to focus on the essential components of concurrency, distribution, and mobility without getting bogged down in syntactic details of specific programming languages. Once the theory is understood, the practical part of implementing a system in an actual programming language becomes much easier.

Carlos A. Varela is Associate Professor in the Department of Computer Science at Rensselaer Polytechnic Institute.

June — 7 x 9, 314 pp. — 91 illus.

\$40.00X/£27.95 cloth
978-0-262-01898-2

computer science/artificial intelligence

linguistics

Multiagent Systems

Second Edition

edited by Gerhard Weiss

Multiagent systems are made up of multiple interacting intelligent agents—computational entities to some

The new edition of an introduction to multiagent systems that captures the state of the art in both theory and practice, suitable as textbook or reference.

degree autonomous and able to cooperate, compete, communicate, act flexibly, and exercise control over their behavior within the frame of their objectives. They are the enabling technology

for a wide range of advanced applications relying on distributed and parallel processing of data, information, and knowledge relevant in domains ranging from industrial manufacturing to e-commerce to health care. This book offers a state-of-the-art introduction to multiagent systems, covering the field in both breadth and depth, and treating both theory and practice. It is suitable for classroom use or independent study.

This second edition has been completely revised, capturing the tremendous developments in multiagent systems since the first edition appeared in 1999. Sixteen of the book's seventeen chapters were written for this edition; all chapters are by leaders in the field, with each author contributing to the broad base of knowledge and experience on which the book rests.

The book covers basic concepts of computational agency from the perspective of both individual agents and agent organizations; communication among agents; coordination among agents; distributed cognition; development and engineering of multiagent systems; and background knowledge in logics and game theory. Each chapter includes references, many illustrations and examples, and exercises of varying degrees of difficulty. The chapters and the overall book are designed to be self-contained and understandable without additional material. Supplemental resources are available on the book's Web site.

Gerhard Weiss is Professor and Chair of the Department of Knowledge Engineering at Maastricht University, the Netherlands.

March — 8 x 10, 984 pp. — 143 illus.

\$80.00X/£48.95 cloth
978-0-262-01889-0

Intelligent Robotics and Autonomous Agents series

Historical Linguistics

An Introduction

Third Edition

Lyle Campbell

This accessible, hands-on textbook not only introduces students to the important topics in historical linguistics

The new edition of a comprehensive, accessible, and hands-on text in historical linguistics, revised and expanded to reflect recent developments in the field.

but also shows them how to apply the methods described and how to think about the issues. Abundant examples and exercises allow students to focus on how to do historical linguistics.

The book is distinctive for its integration of the standard topics with others now considered important to the field, including syntactic change, grammaticalization, sociolinguistic contributions to linguistic change, distant genetic relationships, areal linguistics, and linguistic prehistory. It also offers a defense of the family tree model, a response to recent claims on lexical diffusion/frequency, and a section on why languages diversify and spread.

This third edition includes new material based on the latest developments in the field, increased coverage of computational approaches, and additional exercises. Many of the chapters have been revised or expanded, with new coverage of such topics as morphological change, language families, language isolates, language diversity, the Romani migration case, and misconceptions in recent work about historical linguistics. New for this edition is a downloadable instructor's manual with answers to exercises.

Lyle Campbell is Professor of Linguistics at the University of Hawai'i at Manoa. He is the author of *American Indian Languages: The Historical Linguistics of Native America* and *Historical Syntax in Cross-Linguistic Perspective* (with Alice C. Harris), both of which won the Linguistic Society of America's prestigious Leonard Bloomfield Book Award, and other books.

Praise for previous editions

"Destined to become a benchmark in the field."

—**Karen M. Booker**, *Anthropological Linguistics*

April — 6 1/8 x 9 1/4, 512 pp.

\$50.00X cloth
978-0-262-51849-9

For sale in North America only

linguistics

A Syntax of Substance

David Adger

In *A Syntax of Substance*, David Adger proposes a new approach to phrase structure that eschews functional heads and labels structures exocentrically. His proposal simultaneously simplifies the syntactic system and restricts the range of possible structures, ruling out the

ubiquitous (remnant) roll-up derivations and forcing a separation of arguments from their apparent heads. This new system has a number of empirical consequences, which Adger explores in the domain of relational nominals across different language families, including Germanic, Romance, Celtic, Polynesian, and Semitic. He shows that the relationality of such nouns as *hand*, *edge*, or *mother*—which seem to have as part of their meaning a relation between substances—is actually part of the syntactic representation in which they are used rather than an inherent part of their meaning. This empirical outcome follows directly from the new syntactic system, as does a novel analysis of PP complements to nouns and possessors. Given this, he argues that nouns can, in general, be thought of as simply specifications of substance, differentiating them from true predicates.

A Syntax of Substance offers an innovative contribution to debates in theoretical syntax about the nature of syntactic representations and how they connect to semantic interpretation and linear order.

David Adger is Professor of Linguistics at Queen Mary, University of London, and the author of *Core Syntax: A Minimalist Approach*.

February — 6 x 9, 224 pp.

\$30.00S/£20.95 paper
978-0-262-51830-7

\$60.00S/£41.95 cloth
978-0-262-01861-6

Linguistic Inquiry Monographs series

linguistics

Lexical Analysis

Norms and Exploitations

Patrick Hanks

In *Lexical Analysis*, Patrick Hanks offers a wide-ranging empirical investigation of word use and meaning in

A lexically based, corpus-driven theoretical approach to meaning in language that distinguishes between patterns of normal use and creative exploitations of norms.

language. The book fills the need for a lexically based, corpus-driven theoretical approach that will help people understand how words go together in collocational patterns and constructions to make

meanings. Such an approach is now possible, Hanks writes, because of the availability of new forms of evidence (corpora, the Internet) and the development of new methods of statistical analysis and inferencing.

Hanks offers a new theory of language, the Theory of Norms and Exploitations (TNE), which makes a systematic distinction between normal and abnormal usage—between rules for using words normally and rules for exploiting such norms in metaphor and other creative use of language. Using hundreds of carefully chosen citations from corpora and other texts, he shows how matching each use of a word against established contextual patterns plays a large part in determining the meaning of an utterance. His goal is to develop a coherent and practical lexically driven theory of language that takes into account the immense variability of everyday usage and that shows that this variability is rule governed rather than random. Such a theory will complement other theoretical approaches to language, including cognitive linguistics, construction grammar, generative lexicon theory, priming theory, and pattern grammar.

Patrick Hanks is Visiting Professor at the Bristol Centre for Linguistics at the University of the West of England and at the Research Institute for Information and Language Processing at the University of Wolverhampton. He has edited a number of major reference works, including *Collins English Dictionary*, *Cobuild*, and the *New Oxford Dictionary of English*.

February — 6 x 9, 480 pp. — 21 illus.

\$60.00S/£41.95 cloth
978-0-262-01857-9

linguistics/cognitive neuroscience

Birdsong, Speech, and Language

Exploring the Evolution of Mind and Brain

edited by **Johan J. Bolhuis and Martin Everaert**

foreword by **Robert C. Berwick and Noam Chomsky**

Scholars have long been captivated by the parallels between birdsong and human speech and language. In this book, leading scholars draw on the latest research to explore what birdsong can tell us about the biology of human speech and language and the consequences for evolutionary biology. They examine the cognitive and neural similarities between birdsong learning and speech and language acquisition, considering vocal imitation, auditory learning, an early vocalization phase (“babbling”), the structural properties of birdsong and human language, and the striking similarities between the neural organization of learning and vocal production in birdsong and human speech.

After outlining the basic issues involved in the study of both language and evolution, the contributors compare birdsong and language in terms of acquisition, recursion, and core structural properties, and then examine the neurobiology of song and speech, genomic factors, and the emergence and evolution of language.

Johan J. Bolhuis is Professor of Cognitive Neurobiology at Utrecht University and **Martin Everaert** is Professor of Linguistics at Utrecht University.

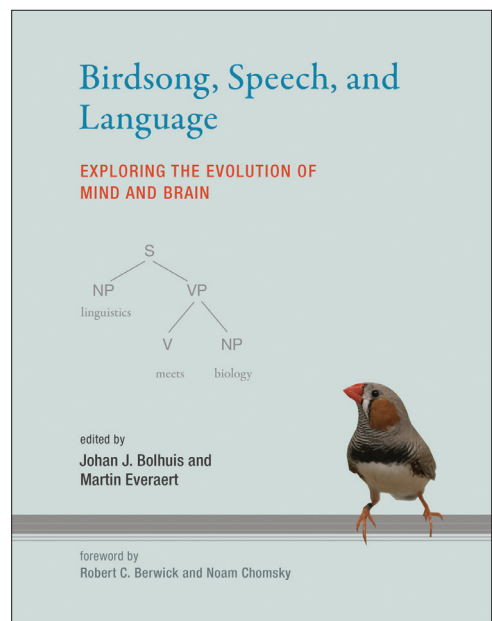
Contributors

Hermann Ackermann, Gabriël J. L. Beckers, Robert C. Berwick, Johan J. Bolhuis, Noam Chomsky, Frank Eisner, Martin Everaert, Michale S. Fee, Olga Fehér, Simon E. Fisher, W. Tecumseh Fitch, Jonathan B. Fritz, Sharon M. H. Gobes, Riny Huijbregts, Eric Jarvis, Robert Lachlan, Ann Law, Michael A. Long, Gary F. Marcus, Carolyn McGettigan, Daniel Mietchen, Richard Mooney, Sanne Moorman, Kazuo Okanoya, Christophe Pallier, Irene M. Pepperberg, Jonathan F. Prather, Franck Ramus, Eric Reuland, Constance Scharff, Sophie K. Scott, Neil Smith, Ofer Tchernichovski, Carel ten Cate, Christopher K. Thompson, Frank Wijnen, Moira Yip, Wolfram Ziegler, Willem Zuidema

Prominent scholars consider the cognitive and neural similarities between birdsong and human speech and language.

April
7 x 9, 544 pp.
93 illus.

\$50.00S/£34.95 cloth
978-0-262-01860-9



cognitive science/linguistics

Learnability and Cognition

The Acquisition of Argument Structure

New Edition

Steven Pinker

with a new preface, "The Secret Life of Verbs," by the author

A classic book about language acquisition and conceptual structure, with a new preface by the author, "The Secret Life of Verbs."

June
6 x 9, 528 pp.
69 illus.

\$35.00S/£24.95 paper
978-0-262-51840-6

Learning, Development, and Conceptual Change series

Also available

Visual Cognition
edited by Steven Pinker
1986, 978-0-262-66178-2
\$35.00S/£24.95 paper

Connections and Symbols
edited by Steven Pinker
and Jacques Mehler
1988, 978-0-262-66064-8
\$27.00S/£18.95 paper

Before Steven Pinker wrote bestsellers on language and human nature, he wrote several technical monographs on language acquisition that have become classics in cognitive science. *Learnability and Cognition*, first published in 1989, brought together two big topics: how do children learn their mother tongue, and how does the mind represent basic categories of meaning such as space, time, causality, agency, and goals? The stage for this synthesis was set by the fact that when children learn a language, they come to make surprisingly subtle distinctions: *pour water into the glass* and *fill the glass with water* sound natural, but *pour the glass with water* and *fill water into the glass* sound odd. How can this happen, given that children are not reliably corrected for uttering odd sentences, and they don't just parrot back the correct ones they hear from their parents? Pinker resolves this paradox with a theory of how children acquire the meaning and uses of verbs, and explores that theory's implications for language, thought, and the relationship between them.

As Pinker writes in a new preface, "The Secret Life of Verbs," the phenomena and ideas he explored in this book inspired his 2007 bestseller *The Stuff of Thought: Language as a Window into Human Nature*. These technical discussions, he notes, provide insight not just into language acquisition but into literary metaphor, scientific understanding, political discourse, and even the conceptions of sexuality that go into obscenity.

Steven Pinker is Harvard College Professor in the Department of Psychology at Harvard University. His books *The Language Instinct*, *How the Mind Works*, *The Blank Slate*, and *The Better Angels of Our Nature* have won numerous prizes.

"A monumental study that sets a new standard for work on learnability."

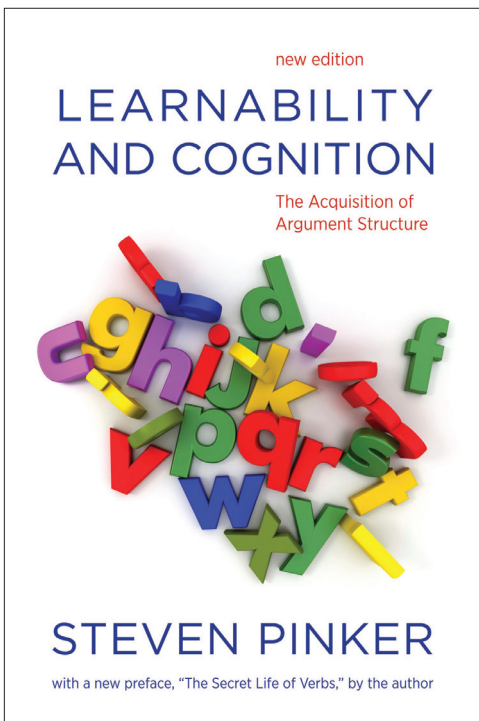
—Ray Jackendoff

"The author's arguments are never less than impressive, and sometimes irresistible, such is the force and panache with which they are deployed."

—Paul Fletcher, *Times Higher Education Supplement*

"*Learnability and Cognition* is theoretically a big advance, beautifully reasoned, and a gold mine of information."

—Lila Gleitman, *University of Pennsylvania*



cognitive science

Action Science

Foundations of an Emerging Discipline

edited by Wolfgang Prinz, Miriam Beisert,
and Arvid Herwig

The emerging field of action science is characterized by a diversity of theoretical and methodological

An overview of today's diverse theoretical and methodological approaches to action and the relationship of action and cognition.

approaches that share the basic functional belief that evolution has optimized cognitive systems to serve the demands of action. This book brings together the constitutive approaches

of action science in a single source, covering the relation of action to such cognitive functions as perception, attention, memory, and volition. Each chapter offers a tutorial-like description of a major line of inquiry, written by a leading scientist in the field. Taken together, the chapters reflect a dynamic and rapidly growing field and provide a forum for comparison and possible integration of approaches.

After discussing core questions about how actions are controlled and learned, the book considers ecological approaches to action science; neurocognitive approaches to action understanding and attention; developmental approaches to action science; social actions, including imitation and joint action; and the relationships between action and the conceptual system (grounded cognition) and between volition and action.

An emerging discipline depends on a rich and multifaceted supply of theoretical and methodological approaches. The diversity of perspectives offered in this book will serve as a guide for future explorations in action science.

Wolfgang Prinz is Director Emeritus of the Max Planck Institute for Human Cognitive and Brain Science in Leipzig, and the author of *Open Minds: The Social Making of Agency and Intentionality* (MIT Press, 2012). **Miriam Beisert** is a Research Scientist for the Max Planck Institute for Human Cognitive and Brain Science in Leipzig. **Arvid Herwig** is a Postdoctoral Researcher and Lecturer at Bielefeld University, Bielefeld, Germany.

March — 6 x 9, 456 pp. — 43 illus.

\$65.00S/£44.95 cloth
978-0-262-01855-5

philosophy of mind/cognitive science

The Hand, an Organ of the Mind

What the Manual Tells the Mental

edited by Zdravko Radman

Cartesian-inspired dualism enforces a theoretical distinction between the motor and the cognitive and

Theoretical and empirical accounts of the interconnectedness between the manual and the mental suggest that the hand can be understood as a cognitive instrument.

locates the mental exclusively in the head. This collection, focusing on the hand, challenges this dichotomy, offering theoretical and empirical perspectives on the interconnectedness and interdependence of the

manual and mental. The contributors explore the possibility that the hand, far from being the merely mechanical executor of preconceived mental plans, possesses its own know-how, enabling “enhanded” beings to navigate the natural, social, and cultural world without engaging propositional thought, consciousness, and deliberation.

The contributors consider not only broad philosophical questions—ranging from the nature of embodiment, enaction, and the extended mind to the phenomenology of agency—but also such specific issues as touching, grasping, gesturing, sociality, and simulation. They show that the capacities of the hand include perception (on its own and in association with other modalities), action, (extended) cognition, social interaction, and communication. Taken together, their accounts offer a handbook of cutting-edge research exploring the ways that the manual shapes and reshapes the mental and creates conditions for embodied agents to act in the world.

Zdravko Radman is Professor of Philosophy at the Institute of Philosophy, Zagreb, and the University of Split, Croatia. He is the author of *Metaphors: Figures of the Mind* and the editor of *Knowing without Thinking: Mind, Action, Cognition, and the Phenomenon of the Background*.

Contributors

Matteo Baccharini, Andrew J. Bremner, Massimiliano L. Cappuccio, Andy Clark, Jonathan Cole, Dorothy Cowie, Natalie Depraz, Rosalyn Driscoll, Harry Farmer, Shaun Gallagher, Nicholas P. Holmes, Daniel D. Hutto, Angelo Maravita, Filip Mattens, Richard Menary, Jesse J. Prinz, Zdravko Radman, Matthew Ratcliffe, Etienne B. Roesch, Stephen V. Shepherd, Susan A. J. Stuart, Manos Tsakiris, Michael Wheeler

May — 6 x 9, 464 pp. — 8 illus.

\$50.00S/£34.95 cloth
978-0-262-01884-5

cognitive science/psychology

Space to Reason

A Spatial Theory of Human Thought

Markus Knauff

Many scholars believe that visual mental imagery plays a key role in reasoning. In *Space to Reason*, Markus

An argument against the role of visual imagination in reasoning that proposes a spatial theory of human thought, supported by empirical and computational evidence.

Knauff argues against this view, proposing that visual images are not relevant for reasoning and can even impede the process. He also argues against the claim that human thinking is solely based on abstract sym-

bols and is completely embedded in language. Knauff proposes a third way to think about human reasoning that relies on supramodal spatial layout models, which are more abstract than pictorial images and more concrete than linguistic representations. He argues that these spatial layout models are at the heart of human thought, even thought about nonspatial relations in the world.

For Knauff the visual images that we so often associate with reasoning are only in the foreground of conscious experience. Behind the images, the actual logical work is carried out by reasoning-specific operations on these spatial layout models. Knauff also offers a solution to the problem of indeterminacy in human reasoning, introducing the notion of a preferred layout model, which is one layout model among others that has the best chance of being mentally constructed and thus guides the further process of thought. Knauff's "space to reason" theory covers the functional, the algorithmic, and the implementational level of analysis and is corroborated by psychological experiments, functional brain imaging, and computational modeling.

Markus Knauff is Chair of Experimental Psychology and Cognitive Science at the University of Giessen, Germany.

March — 5 3/8 x 8, 320 pp. — 16 illus.

\$40.00S/£27.95 cloth
978-0-262-01865-4

cognitive neuroscience

Reliability in Cognitive Neuroscience

A Meta-Meta-Analysis

William R. Uttal

Cognitive neuroscientists increasingly claim that brain images generated by new brain imaging technologies

A review of the empirical evidence shows that unreliability of research findings relating brain images and cognitive processes is widespread in cognitive neuroscience.

reflect, correlate, or represent cognitive processes. In this book, William Uttal warns against these claims, arguing that, despite its utility in anatomic and physiological applications, brain imaging

research has not provided consistent evidence for correlation with cognition. Uttal bases his argument on an extensive review of the empirical literature, pointing to variability in data not only among subjects within individual experiments but also in the new meta-analytical approach that pools data from different experiments. This inconsistency of results, he argues, has profound implications for the field, suggesting that cognitive neuroscientists have not yet proven their interpretations of the relation between brain activity captured by macroscopic imaging techniques and cognitive processes; what may have appeared to be correlations may have only been illusions of association. He supports the view that the true correlates are located at a much more microscopic level of analysis: the networks of neurons that make up the brain.

Uttal carries out comparisons of the empirical data at several levels of data pooling, including the meta-analytical. Uttal's investigation suggests a need for cognitive neuroscience to reevaluate the entire enterprise of brain imaging-cognition correlational studies.

William R. Uttal is Professor Emeritus of Psychology at the University of Michigan and Professor Emeritus of Engineering at Arizona State University. He is the author of *The New Phrenology: The Limits of Localizing Cognitive Processes in the Brain* (MIT Press, 2001), *Distributed Neural Systems: Beyond the New Phrenology*, and *Mind and Brain: A Critical Appraisal of Cognitive Neuroscience* (MIT Press, 2011)

Available — 6 x 9, 256 pp. — 16 illus.

\$40.00S/£27.95 cloth
978-0-262-01852-4

neuroscience/philosophy of mind

The Neural Basis of Free Will Criterial Causation

Peter Ulric Tse

The issues of mental causation, consciousness, and free will have vexed philosophers since Plato. In

A neuroscientific perspective on the mind–body problem that focuses on how the brain actually accomplishes mental causation.

this book, Peter Tse examines these unresolved issues from a neuroscientific perspective. In contrast with philosophers who use logic rather than data to

argue whether mental causation or consciousness can exist given unproven first assumptions, Tse proposes that we instead listen to what neurons have to say. Because the brain must already embody a solution to the mind–body problem, why not focus on how the brain actually realizes mental causation?

Tse draws on exciting recent neuroscientific data concerning how informational causation is realized in physical causation at the level of NMDA receptors, synapses, dendrites, neurons, and neuronal circuits. He argues that a particular kind of strong free will and “downward” mental causation are realized in rapid synaptic plasticity. Recent neurophysiological breakthroughs reveal that neurons function as criterial assessors of their inputs, which then change the criteria that will make other neurons fire in the future. Such informational causation cannot change the physical basis of information realized in the present, but it can change the physical basis of information that may be realized in the immediate future. This gets around the standard argument against free will centered on the impossibility of self-causation. Tse explores the ways that mental causation and qualia might be realized in this kind of neuronal and associated information-processing architecture, and considers the psychological and philosophical implications of having such an architecture realized in our brains.

Peter Ulric Tse is Associate Professor in the Department of Psychological and Brain Sciences at Dartmouth College.

March — 6 x 9, 432 pp. — 28 illus.

\$38.00S/£26.95 cloth
978-0-262-01910-1

neuroscience/linguistics/music

Language, Music, and the Brain A Mysterious Relationship

edited by Michael A. Arbib

This book explores the relationships between language, music, and the brain by pursuing four key themes and

A presentation of music and language within an integrative, embodied perspective of brain mechanisms for action, emotion, and social coordination.

the crosstalk among them: song and dance as a bridge between music and language; multiple levels of structure from brain to behavior to culture; the semantics of internal and external worlds and the role

of emotion; and the evolution and development of language. The book offers specially commissioned exposures of current research accessible both to experts across disciplines and to non-experts. These chapters provide the background for reports by groups of specialists that chart current controversies and future directions of research on each theme.

The book looks beyond mere auditory experience, probing the embodiment that links speech to gesture and music to dance. The study of the brains of monkeys and songbirds illuminates hypotheses on the evolution of brain mechanisms that support music and language, while the study of infants calibrates the developmental timetable of their capacities. The result is a unique book that will interest any reader seeking to learn more about language or music and will appeal especially to readers intrigued by the relationships of language and music with each other and with the brain.

Michael A. Arbib is University Professor, Fletcher Jones Professor of Computer Science, and Professor of Biological Sciences, Biomedical Engineering, Electrical Engineering, Neuroscience, and Psychology at the University of Southern California. He is the author or editor of many books, including *The Handbook of Brain Theory and Neural Networks* (MIT Press, second edition 2002).

May — 6 x 9, 584 pp. — 102 illus., color throughout

\$50.00S/£34.95 cloth
978-0-262-01810-4

Strüngmann Forum Reports

neuroscience

Sensory Communication

edited by Walter A. Rosenblith

This landmark volume, which remains influential today, is the result of an interdisciplinary, two-week international symposium on principles of sensory communication hosted by MIT in July 1959. This symposium brought together prominent neuroscientists, life scientists, physical scientists, and engineers who, in Walter Rosenblith's words, "were willing to listen to neurophysiologists expound up-to-date neurophysiology, or psychophysicists talk about contemporary psychophysics, without being satisfied with their own version of the other man's science." The work presented forms the basis of much of the contemporary research in vision and perceptual science. First published by the MIT Press in 1961, *Sensory Communication* has been out of print and extremely difficult to obtain for many years. This reprint makes this valuable resource available again.

Walter A. Rosenblith (1913–2002) was Institute Professor, Chair of the Faculty, and Provost at MIT.

"Back in the 1950s and 1960s a remarkable intellectual activity grew around the new engineering and physics of electronics and information processing. If MIT was one of the main centers of this whirlwind of ideas, then Building 20 was literally at the center, serving as a magical incubator for such diverse fields as information theory, cybernetics, neural networks, linguistics, neuroscience and computer science. Researchers roaming the building included Claude Shannon, Norbert Wiener, Warren McCulloch, Walter Pitts, Noam Chomsky, Jerry Lettvin, Marvin Minsky, and Walter Rosenblith. Rosenblith's *Sensory Communication* was one of the key catalyzers for this intellectual ferment that eventually converged into the ambitious attempt of understanding intelligence and of replicating it in machines—the harbinger of today and tomorrow's intelligent machines."

—**Tomaso Poggio**, Department of Brain and Cognitive Sciences, MIT

Available — 6 x 9, 860 pp.

\$50.00S/£34.95 paper
978-0-262-51842-0

philosophy/cognitive science

Explaining the Computational Mind

Marcin Milkowski

In this book, Marcin Milkowski argues that the mind can be explained computationally because it is itself computational—whether it engages in mental arithmetic, parses natural language, or processes the auditory signals that allow us to experience music. Defending the computational explanation against objections to it—from John Searle and Hilary Putnam in particular—Milkowski writes that computationalism is here to stay but is not what many have taken it to be. It does not, for example, rely on a Cartesian gulf between software and hardware, or mind and brain. Milkowski's mechanistic construal of computation allows him to show that no purely computational explanation of a physical process will ever be complete. Computationalism is only plausible, he argues, if you also accept explanatory pluralism.

Milkowski sketches a mechanistic theory of implementation of computation against a background of extant conceptions, describing four dissimilar computational models of cognition. He reviews other philosophical accounts of implementation and computational explanation and defends a notion of representation that is compatible with his mechanistic account and adequate vis à vis the four models discussed earlier. Instead of arguing that there is no computation without representation, he inverts the slogan and shows that there is no representation without computation—but explains that representation goes beyond purely computational considerations. Milkowski's arguments succeed in vindicating computational explanation in a novel way by relying on mechanistic theory of science and interventionist theory of causation.

Marcin Milkowski is Assistant Professor at the Institute of Philosophy of Mind of the Polish Academy of Sciences.

April — 6 x 9, 248 pp. — 12 illus.
\$35.00S/£24.95 cloth
978-0-262-01886-9

philosophy of mind

Mindvaults

Sociocultural Grounds for Pretending and Imagining

Radu J. Bogdan

The human mind has the capacity to vault over the realm of current perception, motivation, emotion, and

An argument that the uniquely human capacities of pretending and imagining develop in response to sociocultural and sociopolitical pressures in childhood.

action, to leap—consciously and deliberately—to past or future, possible or impossible, abstract or concrete scenarios and situations. In this book, Radu Bogdan examines the roots of this uniquely

human ability, which he terms “mindvaulting.” He focuses particularly on the capacities of pretending and imagining, which he identifies as the first forms of mindvaulting to develop in childhood. Pretending and imagining, Bogdan argues, are crucial steps on the ontogenetic staircase to the intellect.

Bogdan finds that pretending and then imagining develop from a variety of sources for reasons that are specific and unique to human childhood. He argues that these capacities arise as responses to sociocultural and sociopolitical pressures that emerge at different stages of childhood. Bogdan argues that some of the properties of mindvaulting—including domain versatility and nonmodularity—resist standard evolutionary explanations. To resolve this puzzle, Bogdan reorients the evolutionary analysis toward human ontogeny, construed as a genuine space of evolution with specific pressures and adaptive responses. Bogdan finds that pretending is an ontogenetic response to sociocultural challenges in early childhood, a pre-adaptation for imagining; after age four, the adaptive response to cooperative and competitive sociopolitical pressures is a competence for mental strategizing that morphs into imagining.

Radu J. Bogdan is Professor of Philosophy and Cognitive Science and Director of the Cognitive Science Program at Tulane University and Regular Guest Professor and Director of the OPEN MIND program in cognitive science at the University of Bucharest. He is the author of *Our Own Minds: Sociocultural Grounds for Self-Consciousness* (MIT Press, 2010) and other books.

April — 5 3/8 x 8, 256 pp. — 1 illus.

\$35.00S/£24.95 cloth
978-0-262-01911-8

philosophy of mind

Mindshaping

A New Framework for Understanding Human Social Cognition

Tadeusz Wieslaw Zawidzki

In this novel account of distinctively human social cognition, Tadeusz Zawidzki argues that the key

A proposal that human social cognition would not have evolved without mechanisms and practices that shape minds in ways that make them easier to interpret.

distinction between human and nonhuman social cognition consists in our complex, diverse, and flexible capacities to shape each other’s minds in ways that make them easier to interpret. Zawidzki

proposes that such “mindshaping”—which takes the form of capacities and practices such as sophisticated imitation, pedagogy, conformity to norms, and narrative self-constitution—is the most important component of human social cognition. Without it, he argues, none of the other components of what he terms the “human sociocognitive syndrome,” including sophisticated language, cooperation, and sophisticated “mindreading,” would be possible.

Challenging the dominant view that sophisticated mindreading—especially propositional attitude attribution—is the key evolutionary innovation behind distinctively human social cognition, Zawidzki contends that the capacity to attribute such mental states depends on the evolution of mindshaping practices. Propositional attitude attribution, he argues, is likely to be unreliable unless most of us are shaped to have similar kinds of propositional attitudes in similar circumstances. Motivations to mindshape, selected to make sophisticated cooperation possible, combine with low-level mindreading abilities that we share with nonhuman species to make it easier for humans to interpret and anticipate each other’s behavior. Eventually, this led, in human prehistory, to the capacity to attribute full-blown propositional attitudes accurately—a capacity that is parasitic, in phylogeny and today, on prior capacities to shape minds.

Tadeusz Wieslaw Zawidzki is Associate Professor of Philosophy and Codirector of the Mind-Brain Evolution Cluster at the George Washington University. He is the author of *Dennett*.

May — 6 x 9, 320 pp.

\$40.00S/£27.95 cloth
978-0-262-01901-9

A Bradford Book

philosophy of mind

Radicalizing Enactivism

Basic Minds without Content

Daniel D. Hutto and Erik Myin

A book that promotes the thesis that basic forms of mentality—intentionally directed cognition and perceptual experience—are best understood as embodied yet contentless.

January
5 3/8 x 8, 240 pp.
1 illus.

\$35.00S/£24.95 cloth
978-0-262-01854-8

Also available

Folk Psychological Narratives

The Sociocultural Basis
of Understanding Reasons

Daniel D. Hutto

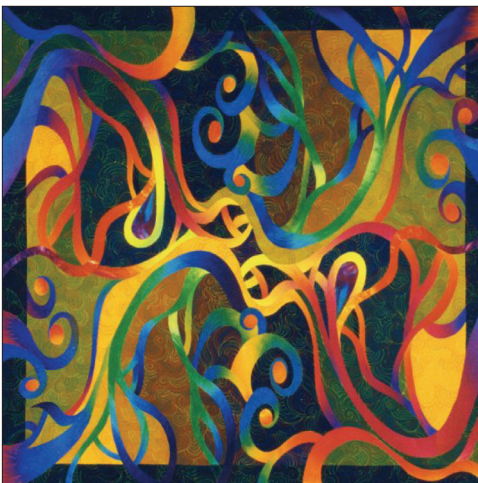
2012, 978-0-262-51798-0
\$20.00S/£13.95 paper

Most of what humans do and experience is best understood in terms of dynamically unfolding interactions with the environment. Many philosophers and cognitive scientists now acknowledge the critical importance of situated, environment-involving embodied engagements as a means of understanding basic minds—including basic forms of human mentality. Yet many of these same theorists hold fast to the view that basic minds are necessarily or essentially contentful—that they represent conditions the world might be in. In this book, Daniel Hutto and Erik Myin promote the cause of a radically enactive, embodied approach to cognition that holds that some kinds of minds—basic minds—are neither best explained by processes involving the manipulation of contents nor inherently contentful. Hutto and Myin oppose the widely endorsed thesis that cognition always and everywhere involves content. They defend the counter-thesis that there can be intentionality and phenomenal experience without content, and demonstrate the advantages of their approach for thinking about scaffolded minds and consciousness.

Daniel D. Hutto is Professor of Philosophical Psychology at the University of Hertfordshire. He is the author of *Folk Psychological Narratives: The Sociocultural Basis of Understanding Reasons* (MIT Press, 2008) and other books. **Erik Myin** is Professor of Philosophy and Head of the Centre for Philosophical Psychology at the University of Antwerp.

“This important book testifies to the enactive viewpoint in cognitive science having now come of age. ... Both proponents and critics of the enactive viewpoint will need to come to terms with this new enactive manifesto.”

—**Evan Thompson, Professor of Philosophy,
University of Toronto**



Radicalizing Enactivism

Basic Minds without Content

Daniel D. Hutto and Erik Myin

philosophy

Communicating Moral Concern

An Ethics of Critical Responsiveness

Elise Springer

Modern moral theories have crystallized around the logic of individual choices, abstracted from social and

A novel reframing of moral agency, emphasizing the responsive habits and skills by which we engage one another's attention to moral concerns.

historical context. Yet most action, including moral theorizing, can equally be understood as a response, conscious or otherwise, to the social world out of which it emerges. In

this novel account of moral agency, Elise Springer accords central importance to how we intervene in activity around us. To notice and address what others are doing with their moral agency is to exercise what Springer calls critical responsiveness. Her account of this responsiveness steers critics away from both of the conventionally familiar ideals—justifying and expressing reactive attitudes on one hand, and prescribing and manipulating behavioral outcomes on the other. Good critical practice functions instead as a dynamic gestural engagement of attention, reaching further than expressive representation but not as far as causal control.

To make sense of such engagement, Springer unravels the influence of several entrenched philosophical dichotomies (active vs. passive, representation vs. object, illocution vs. perlocution). Where previous accounts have been preoccupied with justified claims or with end results, Springer urges the cultivation of situated critical engagement—an unorthodox virtue. Moral agency can thereby claim a creative and embodied aspect, transforming the world of action through a socially extended process of communicating concern.

Elise Springer is Associate Professor of Philosophy at Wesleyan University.

April — 6 x 9, 328 pp. — 1 illus.

\$39.00S/£26.95 cloth
978-0-262-01894-4

philosophy of biology/evolution

From Groups to Individuals

Evolution and Emerging Individuality

edited by Frédéric Bouchard
and Philippe Huneman

Our intuitive assumption that only organisms are the real individuals in the natural world is at odds

The biological and philosophical implications of the emergence of new collective individuals from associations of living beings.

with developments in cell biology, ecology, genetics, evolutionary biology, and other fields. Although organisms have served for centuries as nature's paradigm-

atic individuals, science suggests that organisms are only one of the many ways in which the natural world could be organized. When living beings work together—as in ant colonies, beehives, and bacteria-metazoan symbiosis—new collective individuals can emerge. In this book, leading scholars consider the biological and philosophical implications of the emergence of these new collective individuals from associations of living beings. The topics they consider range from metaphysical issues to biological research on natural selection, sociobiology, and symbiosis.

The contributors investigate individuality and its relationship to evolution and the specific concept of organism; the tension between group evolution and individual adaptation; and the structure of collective individuals and the extent to which they can be defined by the same concept of individuality. These new perspectives on evolved individuality should trigger important revisions to both philosophical and biological conceptions of the individual.

Frédéric Bouchard is Associate Professor in the Philosophy Department at the Université de Montréal.

Philippe Huneman is Research Associate (CNRS) in the Institut d'Histoire et de Philosophie des Sciences et des Techniques at the Université Paris 1 Sorbonne. Bouchard and Huneman (with other colleagues) founded the Consortium for the History and Philosophy of Biology.

Contributors

Frédéric Bouchard, Ellen Clarke, Jennifer Fewell, Andrew Gardner, Peter Godfrey-Smith, Charles J. Goodnight, Matt Haber, Andrew Hamilton, Philippe Huneman, Samir Okasha, Thomas Pradeu, Scott Turner, Minus van Baalen

April — 7 x 9, 304 pp. — 23 illus.

\$55.00S/£37.95 cloth
978-0-262-01872-2

Vienna Series in Theoretical Biology

philosophy/evolution

Cooperation and Its Evolution

edited by **Kim Sterelny, Richard Joyce, Brett Calcott, and Ben Fraser**

This collection reports on the latest research on an increasingly pivotal issue for evolutionary biology:

Essays from a range of disciplinary perspectives show the central role that cooperation plays in structuring our world.

cooperation. The chapters are written from a variety of disciplinary perspectives and utilize research tools that range from empirical survey to conceptual modeling,

reflecting the rich diversity of work in the field. They explore a wide taxonomic range, concentrating on bacteria, social insects, and, especially, humans.

Part I (“Agents and Environments”) investigates the connections of social cooperation in social organizations to the conditions that make cooperation profitable and stable, focusing on the interactions of agent, population, and environment. Part II (“Agents and Mechanisms”) focuses on how proximate mechanisms emerge and operate in the evolutionary process and how they shape evolutionary trajectories. Throughout the book, certain themes emerge that demonstrate the ubiquity of questions regarding cooperation in evolutionary biology: the generation and division of the profits of cooperation; transitions in individuality; levels of selection, from gene to organism; and the “human cooperation explosion” that makes our own social behavior particularly puzzling from an evolutionary perspective.

Kim Sterelny is Professor of Philosophy at Australian National University and Victoria University of Wellington, New Zealand, and author of *The Evolved Apprentice: How Evolution Made Humans Unique* (MIT Press, 2011).

Richard Joyce is Professor of Philosophy at Victoria University of Wellington and author of *The Evolution of Morality* (MIT Press, 2006). **Brett Calcott** is a postdoctoral researcher at Australian National University and coeditor (with Kim Sterelny) of *The Major Transitions in Evolution Revisited* (MIT Press, 2011). **Ben Fraser** is a Lecturer in the Philosophy Program at Australian National University.

March — 7 x 9, 608 pp. — 11 illus.

\$55.00S/£37.95 cloth
978-0-262-01853-1

Life and Mind series
A Bradford Book

philosophy

Word and Object

New Edition

Willard Van Orman Quine

foreword by Patricia Smith Churchland

preface to the new edition by Dagfinn Føllesdal

Willard Van Orman Quine begins this influential work by declaring, “Language is a social art. In acquiring

A new edition of Quine’s most important work.

it we have to depend entirely on intersubjectively available cues as to what to say and

when.” As Patricia Smith Churchland notes in her foreword to this new edition, with *Word and Object* Quine challenged the tradition of conceptual analysis as a way of advancing knowledge. The book signaled twentieth-century philosophy’s turn away from metaphysics and what Churchland calls the “phony precision” of conceptual analysis.

In the course of his discussion of meaning and the linguistic mechanisms of objective reference, Quine considers the indeterminacy of translation, brings to light the anomalies and conflicts implicit in our language’s referential apparatus, clarifies semantic problems connected with the imputation of existence, and marshals reasons for admitting or repudiating each of various categories of supposed objects. In addition to Churchland’s foreword, this edition offers a new preface by Quine’s student and colleague Dagfinn Føllesdal that describes the never-realized plans for a second edition of *Word and Object*, in which Quine would offer a more unified treatment of the public nature of meaning, modalities, and propositional attitudes.

Willard Van Orman Quine (1908–2000) held the Edgar Pierce Chair of Philosophy at Harvard University from 1956 to 2000. Considered one of the most influential philosophers of the twentieth century, he is the author of *Mathematical Logic*, *The Roots of Reference*, *The Time of My Life: An Autobiography* (MIT Press), and many other books.

February — 6 x 9, 304 pp.

\$36.00S/£24.95 paper
978-0-262-51831-4

Also available

The Time of My Life
An Autobiography
Willard Van Orman Quine
2000, 978-0-262-67004-3
\$40.00S/£27.95 paper

art

The Fourth Dimension and Non-Euclidean Geometry in Modern Art

Revised Edition

Linda Dalrymple Henderson

In this groundbreaking study, first published in 1983 and unavailable for over a decade, Linda Dalrymple Henderson demonstrates that two concepts of space beyond immediate perception—the curved spaces of non-Euclidean geometry and, most important, a higher, fourth dimension of space—were central to the development of modern art. The possibility of a spatial fourth dimension suggested that our world might be merely a shadow or section of a higher dimensional existence. That iconoclastic idea encouraged radical innovation by a variety of early twentieth-century artists, ranging from French Cubists, Italian Futurists, and Marcel Duchamp, to Max Weber, Kazimir Malevich, and the artists of De Stijl and Surrealism.

In an extensive new Reintroduction, Henderson surveys the impact of interest in higher dimensions of space in art and culture from the 1950s to 2000. Although largely eclipsed by relativity theory beginning in the 1920s, the spatial fourth dimension experienced a resurgence during the later 1950s and 1960s. In a remarkable turn of events, it has returned as an important theme in contemporary culture in the wake of the emergence in the 1980s of both string theory in physics (with its ten- or eleven-dimensional universes) and computer graphics. Henderson demonstrates the importance of this new conception of space for figures ranging from Buckminster Fuller, Robert Smithson, and the Park Place Gallery group in the 1960s to Tony Robbin and digital architect Marcos Novak.

Linda Dalrymple Henderson is David Bruton, Jr., Centennial Professor in Art History and Regents Outstanding Teaching Professor at the University of Texas at Austin. She is the author of *Duchamp in Context: Science and Technology in the Large Glass and Related Works* and *Reimagining Space: The Park Place Gallery Group in 1960s New York* and coeditor of *From Energy to Information: Representation in Science and Technology, Art, and Literature*.

The long-awaited new edition of a groundbreaking work on the impact of alternative concepts of space on modern art.

March
7 x 9, 740 pp.
140 illus.

\$54.00S/£37.95 cloth
978-0-262-58244-5

A Leonardo Book



art/new media

digital humanities/history

Walking and Mapping

Artists as Cartographers

Karen O'Rourke

Contemporary artists beginning with Guy Debord and Richard Long have returned again and again to the

An exploration of walking and mapping as both form and content in art projects using old and new technologies, shoe leather and GPS.

walking motif. Debord and his friends tracked the urban flows of Paris; Long trampled a path in the grass and snapped a picture of the result (*A Line Made by Walking*).

Mapping is a way for us to locate ourselves in the world physically, culturally, or psychologically; Debord produced maps like collages that traced the “psycho geography” of Paris. Today, the convergence of global networks, online databases, and new tools for location-based mapping coincides with a resurgence of interest in walking as an art form. In *Walking and Mapping*, Karen O'Rourke explores a series of walking/mapping projects by contemporary artists. Some chart “emotional GPS”; some use GPS for creating “datascapes” while others use their legs to do “speculative mapping.” Many work with scientists, designers, and engineers.

O'Rourke offers close readings of these works—many of which she was able to experience firsthand—and situates them in relation to landmark works from the past half-century. She shows that the infinitesimal details of each of these projects take on more significance in conjunction with others. Together, they form a new entity, a dynamic whole greater than the sum of its parts. By alternating close study of selected projects with a broader view of their place in a bigger picture, *Walking and Mapping* itself maps a complex phenomena.

Karen O'Rourke is a multimedia and communications artist whose work has been exhibited in Europe, the United States, and South America.

April — 7 x 9, 360 pp. — 115 illus.

\$40.00S/£27.95 cloth
978-0-262-01850-0

A Leonardo Book

Illusions in Motion

Media Archaeology of the Moving Panorama and Related Spectacles

Erkki Huhtamo

Beginning in the late eighteenth century, huge circular panoramas presented their audiences with resplendent

Tracing the cultural, material, and discursive history of an early manifestation of media culture in the making.

representations that ranged from historic battles to exotic locations. Such panoramas were immersive but static. There were other

panoramas that moved—hundreds, and probably thousands of them. Their history has been largely forgotten. In *Illusions in Motion*, Erkki Huhtamo excavates this neglected early manifestation of media culture in the making. The moving panorama was a long painting that unscrolled behind a “window” by means of a mechanical cranking system, accompanied by a lecture, music, and sometimes sound and light effects. Showmen exhibited such panoramas in venues that ranged from opera houses to church halls, creating a market for mediated realities in both city and country.

In the first history of this phenomenon, Huhtamo analyzes the moving panorama in all its complexity, investigating its relationship to other media and its role in the culture of its time. In his telling, the panorama becomes a window for observing media in operation. Huhtamo explores such topics as cultural forms that anticipated the moving panorama; theatrical panoramas; the diorama; the “panoromania” of the 1850s and the career of Albert Smith, the most successful showman of that era; competition with magic lantern shows; the final flowering of the panorama in the late nineteenth century; and the panorama's afterlife as a topos, traced through its evocation in literature, journalism, science, philosophy, and propaganda.

Erkki Huhtamo, media historian and pioneering media archaeologist, is Professor in the Department of Design Media Arts at the University of California, Los Angeles. He is the coeditor of *Media Archaeology: Approaches, Applications, and Implications*.

“An intelligent and thorough introduction to this largely forgotten medium has been sorely needed, and now we have it. Erkki Huhtamo has a commendably crisp style. He is not content to recite the huge number of facts he has so meticulously assembled. He consistently puts his facts into context, and as the fascinating story of moving panoramas unfolds he makes sure we are fully equipped to appreciate it.”
—Ralph Hyde, author of *Panoromania!*

January — 7 x 9, 456 pp. — 120 illus.

\$45.00S/£31.95 cloth
978-0-262-01851-7

A Leonardo Book

design/philosophy

The Aesthetics of Imagination in Design

Mads Nygaard Folkmann

In *The Aesthetics of Imagination in Design*, Mads Folkmann investigates design in both material and immaterial

A theoretically informed investigation that relates the philosophies of aesthetics and imagination to understanding design practice.

terms. Design objects, Folkmann argues, will always be dual phenomena—material and immaterial, sensual and conceptual, actual and possible. Drawing on formal theories of

aesthetics and the phenomenology of imagination, he seeks to answer fundamental questions about what design is and how it works that are often ignored in academic research.

Folkmann considers three conditions in design: the possible, the aesthetic, and the imagination. Imagination is a central formative power behind the creation and the life of design objects; aesthetics describes the sensual, conceptual, and contextual codes through which design objects communicate; the concept of the possible—the enabling of new uses, conceptions, and perceptions—lies behind imagination and aesthetics. The possible, Folkmann argues, is contained as a structure of meaning within the objects of design, which act as part of our interface with the world. Taking a largely phenomenological perspective that reflects both continental and American pragmatist approaches, Folkmann also makes use of discourses that range from practice-focused accounts of design methodology to cultural studies. Throughout, he offers concrete examples to illustrate theoretical points. Folkmann's philosophically informed account shows design—in all its manifestations, from physical products to principles of organization—to be an essential medium for the articulation and transformation of culture.

Mads Nygaard Folkmann is Associate Professor at the Institute for Design and Communication, University of Southern Denmark.

May — 7 x 9, 272 pp. — 35 illus.

\$35.00S/£24.95 cloth
978-0-262-01906-4

Design Thinking, Design Theory series

new media/philosophy/design

Contagious Architecture

For an Aesthetic Computation of Space

Luciana Parisi

In *Contagious Architecture*, Luciana Parisi offers a philosophical inquiry into the status of the algorithm

A proposal that algorithms are not simply instructions to be performed but thinking entities that construct digital spatio-temporalities.

in architectural and interaction design. Her thesis is that algorithmic computation is not simply an abstract mathematical tool but constitutes a mode of thought in its own right,

in that its operation extends into forms of abstraction that lie beyond direct human cognition and control. These include modes of infinity, contingency, and indeterminacy, as well as incomputable quantities underlying the iterative process of algorithmic processing.

The main philosophical source for the project is Alfred North Whitehead, whose process philosophy is specifically designed to provide a vocabulary for “modes of thought” exhibiting various degrees of autonomy from human agency even as they are mobilized by it. Because algorithmic processing lies at the heart of the design practices now reshaping our world—from the physical spaces of our built environment to the networked spaces of digital culture—the nature of algorithmic thought is a topic of pressing importance that reraises questions of control and, ultimately, power. *Contagious Architecture* revisits cybernetic theories of control and information theory's notion of the incomputable in light of this rethinking of the role of algorithmic thought. Informed by recent debates in political and cultural theory around the changing landscape of power, it links the nature of abstraction to a new theory of power adequate to the complexities of the digital world.

Luciana Parisi is a Senior Lecturer and runs the MA program in Interactive Media: Critical Theory and Practice at the Centre for Cultural Studies at Goldsmiths University of London.

April — 6 x 9, 400 pp. — 22 illus.

\$45.00S/£31.95 cloth
978-0-262-01863-0

Technologies of Lived Abstraction series

computer music/human-computer interaction

Sonic Interaction Design

edited by Karmen Franinović and Stefania Serafin

Sound is an integral part of every user experience but a neglected medium in design disciplines. Design of an artifact's sonic qualities is often limited to the shaping of functional, representational, and signaling roles of sound. The interdisciplinary field of sonic interaction design (SID) challenges these prevalent approaches by considering sound as an active medium that can enable novel sensory and social experiences through interactive technologies. This book offers an overview of the emerging SID research, discussing theories, methods, and practices, with a focus on the multisensory aspects of sonic experience.

Sonic Interaction Design gathers contributions from scholars, artists, and designers working at the intersections of fields ranging from electronic music to cognitive science. They offer both theoretical considerations of key themes and case studies of products and systems created for such contexts as mobile music, sensorimotor learning, rehabilitation, and gaming. The goal is not only to extend the existing research and pedagogical approaches to SID but also to foster domains of practice for sound designers, architects, interaction designers, media artists, product designers, and urban planners. Taken together, the chapters provide a foundation for a still-emerging field, affording a new generation of designers a fresh perspective on interactive sound as a situated and multisensory experience.

Karmen Franinović is Head of the Interaction Design group in the Design Department of Zurich University of the Arts. **Stefania Serafin** is Professor in the Department of Architecture, Design, and Technology at Aalborg University, Denmark.

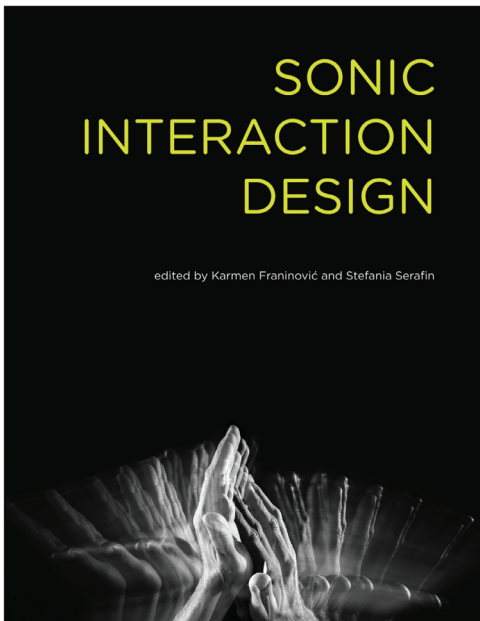
Contributors

Federico Avanzini, Gerold Baier, Stephen Barrass, Olivier Bau, Karin Bijsterveld, Roberto Bresin, Stephen Brewster, Jeremy Coopersotck, Amalia De Gotzen, Stefano Delle Monache, Cumhur Erkut, George Essl, Karmen Franinović, Bruno L. Giordano, Antti Jylhä, Thomas Hermann, Daniel Hug, Johan Kildal, Stefan Krebs, Anatole Lecuyer, Wendy Mackay, David Merrill, Roderick Murray-Smith, Sile O'Modhrain, Pietro Polotti, Hayes Raffle, Michal Rinott, Davide Rocchesso, Antonio Rodà, Christopher Salter, Zack Settler, Stefania Serafin, Simone Spagnol, Jean Sreng, Patrick Susini, Atsu Tanaka, Yon Visell, Mike Wezniewski, John Williamson

An overview of emerging topics, theories, methods, and practices in sonic interactive design, with a focus on the multisensory aspects of sonic experience.

April
7 x 9, 392 pp.
99 illus.

\$50.00S/£34.95 cloth
978-0-262-01868-5



new media/art/philosophy

An Aesthesia of Networks

Conjunctive Experience in Art and Technology

Anna Munster

Today almost every aspect of life for which data exists can be rendered as a network. Financial data, social

The experience of networks as the immediate sensing of relations between humans and nonhuman technical elements in assemblages such as viral media and databases.

networks, biological ecologies: all are visualized in links and nodes, lines connecting dots.

A network visualization of a corporate infrastructure could look remarkably similar to that of a terrorist

organization. In *An Aesthesia of Networks*, Anna Munster argues that this uniformity has flattened our experience of networks as active and relational processes and assemblages. She counters the “network anaesthesia” that results from this pervasive mimesis by reinserting the question of experience, or aesthesia, into networked culture and aesthetics.

Rather than asking how humans experience computers and networks, Munster asks how networks experience—what operations they perform and undergo to change and produce new forms of experience. Drawing on William James’s radical empiricism, she asserts that networked experience is assembled first and foremost through relations, which make up its most immediately sensed and perceived aspect. Munster critically considers a range of contemporary artistic and cultural practices that engage with network technologies and techniques, including databases and data mining, the domination of search in online activity, and the proliferation of viral media through YouTube. These practices—from artists who “undermine” data to musicians and VJs who use intranetworked audio and video software environments—are concerned with the relationality at the core of today’s network experience.

Anna Munster is Associate Professor and a Senior Researcher at the National Institute for Experimental Art at the University of New South Wales. She is the author of *Materializing New Media: Embodiment in Information Aesthetics*.

April — 7 x 9, 248 pp. — 18 illus.

\$30.00S/£20.95 cloth
978-0-262-01895-1

Technologies of Lived Abstraction series

new media/philosophy/dance

Moving without a Body

Digital Philosophy and Choreographic Thought

Stamatia Portanova

Digital technologies offer the possibility of capturing, storing, and manipulating movement, abstracting

A radically empirical exploration of movement and technology and the transformations of choreography in a digital realm.

it from the body and transforming it into numerical information. In *Moving without a Body*, Stamatia Portanova considers what really happens when the physicality of movement

is translated into a numerical code by a technological system. Drawing on the radical empiricism of Gilles Deleuze and Alfred North Whitehead, she argues that this does not amount to a technical assessment of software’s capacity to record motion but requires a philosophical rethinking of what movement itself is, or can become.

Discussing the development of different audiovisual tools and the shift from analog to digital, she focuses on some choreographic realizations of this evolution, including works by Loie Fuller and Merce Cunningham. Throughout, Portanova considers these technologies and dances as ways to think—rather than just perform or perceive—movement. She distinguishes the choreographic thought from the performance: a body performs a movement, and a mind thinks or choreographs a dance. Similarly, she sees the move from analog to digital as a shift in conception rather than simply in technical realization. Analyzing choreographic technologies for their capacity to redesign the way movement is thought, *Moving without a Body* offers an ambitiously conceived reflection on the ontological implications of the encounter between movement and technological systems.

Stamatia Portanova is an independent scholar.

March — 6 x 9, 184 pp.— 15 illus.

\$30.00S/£20.95 cloth
978-0-262-01892-0

Technologies of Lived Abstraction series

game studies/computer music

Playing with Sound

A Theory of Interacting with Sound and Music
in Video Games

Karen Collins

**An examination of
the player's experience
of sound in video games and
the many ways that players
interact with the sonic
elements in games.**

February
6 x 9, 192 pp.
27 illus.

\$30.00S/£20.95 cloth
978-0-262-01867-8

Also available

Game Sound

An Introduction to the History,
Theory, and Practice of Video
Game Music and Sound Design

Karen Collins

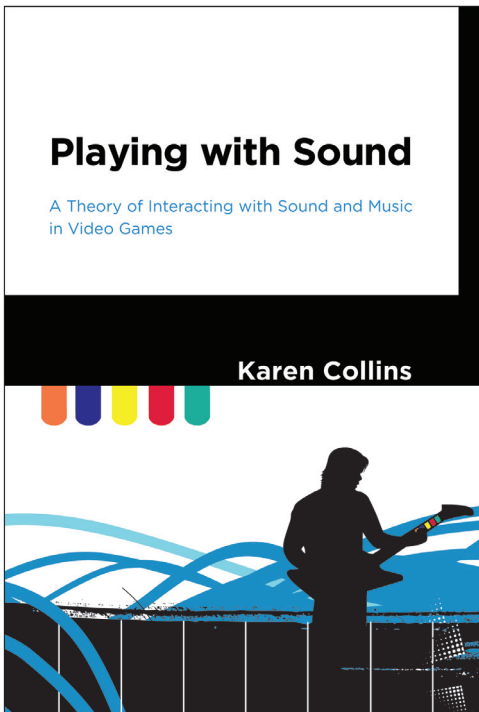
2008, 978-0-262-03378-7
\$30.00S/£20.95 cloth

In *Playing with Sound*, Karen Collins examines video game sound from the player's perspective. She explores the many ways that players interact with a game's sonic aspects—which include not only music but also sound effects, ambient sound, dialogue, and interface sounds—both within and outside of the game. She investigates the ways that meaning is found, embodied, created, evoked, hacked, remixed, negotiated, and renegotiated by players in the space of interactive sound in games.

Drawing on disciplines that range from film studies and philosophy to psychology and computer science, Collins develops a theory of interactive sound experience that distinguishes between interacting with sound and simply listening without interacting. Her conceptual approach combines practice theory (which focuses on productive and consumptive practices around media) and embodied cognition (which holds that our understanding of the world is shaped by our physical interaction with it).

Collins investigates the multimodal experience of sound, image, and touch in games; the role of interactive sound in creating an emotional experience through immersion and identification with the game character; the ways in which sound acts as a mediator for a variety of performative activities; and embodied interactions with sound beyond the game, including machinima, chip-tunes, circuit bending, and other practices that use elements from games in sonic performances.

Karen Collins is Canada Research Chair in Interactive Audio at the University of Waterloo. She is the author of *Game Sound: An Introduction to the History, Theory, and Practice of Video Game Music and Sound Design* (MIT Press).



science, technology, and society/policy

science, technology, and society/information science

Cosmopolitan Commons

Sharing Resources and Risks across Borders

edited by Nil Disco and Eda Kranakis

With the advent of modernity, the sharing of resources and infrastructures rapidly expanded beyond local

A new approach in commons theory to understand the interactions of technology, society, and nature, supported by case studies of new transnational European commons.

communities into regional, national, and even transnational space—nowhere as visibly as in Europe, with its small-scale political divisions. This volume views these shared resource spaces

as the seedbeds of a new generation of technology-rich bureaucratic and transnational commons. Drawing on the theory of cosmopolitanism, which seeks to model the dynamics of an increasingly interdependent world, and on the tradition of commons scholarship inspired by the late Elinor Ostrom, the book develops a new theory of “cosmopolitan commons” that provides a framework for merging the study of technology with such issues as risk, moral order, and sustainability at levels beyond the nation-state.

After laying out the theoretical framework, the book presents case studies that explore the empirical nuances: airspace as transport commons, radio broadcasting, hydropower, weather forecasting and genetic diversity as information commons, transboundary air pollution, and two “capstone” studies of interlinked, temporally layered commons: one on overlapping commons within the North Sea for freight, fishing, and fossil fuels; and one on commons for transport, salmon fishing, and clean water in the Rhine.

Nil Disco is Senior Researcher in the Department of Science, Technology, and Policy Studies at the University of Twente. **Eda Kranakis** is Professor of History at the University of Ottawa and the author of *Constructing a Bridge: An Exploration of Engineering Culture, Design, and Research in Nineteenth-Century France and America* (MIT Press, 1997).

Contributors

Håkon With Andersen, Nil Disco, Paul N. Edwards, Arne Kaijser, Eda Kranakis, Kristiina Korjonen-Kuusipuro, Tiago Saraiva, Nina Wormbs

June — 6 x 9, 344 pp. — 19 illus.

\$28.00S/£19.95 paper
978-0-262-51841-3

\$56.00S/£38.95 cloth
978-0-262-01902-6

Infrastructures series

“Raw Data” Is an Oxymoron

edited by Lisa Gitelman

We live in the era of Big Data, with storage and transmission capacity measured not just in terabytes but in petabytes (where peta- denotes a quadrillion, or a thousand trillion).

Episodes in the history of data, from early modern math problems to today’s inescapable “dataveillance,” that demonstrate the dependence of data on culture.

Data collection is constant and even insidious, with every click and every “like” stored somewhere for something. This book reminds us that data is anything but “raw,”

that we shouldn’t think of data as a natural resource but as a cultural one that needs to be generated, protected, and interpreted. The book’s essays describe eight episodes in the history of data from the predigital to the digital. Together they address such issues as the ways that different kinds of data and different domains of inquiry are mutually defining; how data are variously “cooked” in the processes of their collection and use; and conflicts over what can—or can’t—be “reduced” to data. Contributors discuss the intellectual history of data as a concept; describe early financial modeling and some unusual sources for astronomical data; discover the prehistory of the database in newspaper clippings and index cards; and consider contemporary “dataveillance” of our online habits as well as the complexity of scientific data curation.

Lisa Gitelman is Professor of English and Media, Culture, and Communication at New York University. She is the coeditor of *New Media, 1710–1915* (2003) and author of *Always Already New: Media, History, and the Data of Culture* (2006), both published by the MIT Press.

Essay authors

Geoffrey C. Bowker, Kevin R. Brine, Ellen Gruber Garvey, Lisa Gitelman, Steven J. Jackson, Virginia Jackson, Markus Krajewski, Mary Poovey, Rita Raley, David Ribes, Daniel Rosenberg, Matthew Stanley, Travis D. Williams

February — 7 x 9, 208 pp.
10 color illus., 16 black & white illus.

\$30.00S/£20.95 paper
978-0-262-51828-4

Infrastructures series

Internet studies/information science

Digital Methods

Richard Rogers

In *Digital Methods*, Richard Rogers proposes a methodological outlook for social and cultural scholarly research on the Web that seeks to move Internet research beyond the study of online culture. It is not a toolkit for Internet research, or operating instructions for a software package; it deals with broader questions. How can we study social media to learn something about society rather than about social media use? How can hyperlinks reveal not just the value of a Web site but the politics of association? Rogers proposes repurposing Web-native techniques for research into cultural change and societal conditions. We can learn to reapply such “methods of the medium” as crawling and crowdsourcing, PageRank and similar algorithms, tag clouds and other visualizations; we can learn how they handle hits, likes, tags, date stamps, and other Web-native objects. By “thinking along” with devices and the objects they handle, digital research methods can follow the evolving methods of the medium.

Rogers uses this new methodological outlook to examine the findings of inquiries into 9/11 search results, the recognition of climate change skeptics by climate-change-related Web sites, the events surrounding the Srebrenica massacre according to Dutch, Serbian, Bosnian, and Croatian Wikipedias, presidential candidates’ social media “friends,” and the censorship of the Iranian Web. With *Digital Methods*, Rogers introduces a new vision and method for Internet research and at the same time applies them to the Web’s objects of study, from tiny particles (hyperlinks) to large masses (social media).

**A proposal to repurpose
Web-native techniques for
use in social and cultural
scholarly research.**

March
7 x 9, 280 pp.
56 illus., color throughout

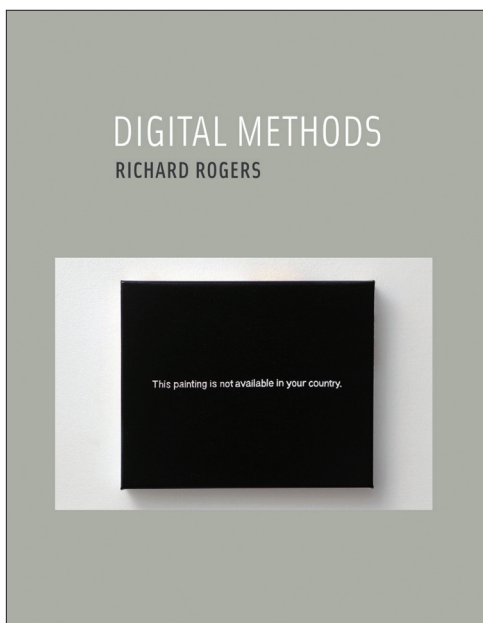
\$35.00S/£24.95 cloth
978-0-262-01883-8

Also available

Information Politics on the Web
Richard Rogers

2006, 978-0-262-68164-3
\$18.00S/£12.95 paper

Richard Rogers is University Professor of New Media and Digital Culture at the University of Amsterdam and the author of *Information Politics on the Web* (MIT Press). He is Director of the Govcom.org Foundation (Amsterdam) and the Digital Methods Initiative.



urban planning/science, technology,
and society/environment

technology/law/history

Greening Berlin

The Co-Production of Science, Politics,
and Urban Nature

Jens Lachmund

Although nature conservation has traditionally focused on the countryside, issues of biodiversity protection also appear on

How plant and animal species conservation became part of urban planning in Berlin, and how the science of ecology contributed to this change.

the political agendas of many cities. One of the emblematic examples of this now worldwide trend has been the German city of Berlin, where, since the 1970s,

urban planning has been complemented by a systematic policy of “biotope protection”—at first only in the walled city island of West Berlin, but subsequently across the whole of the reunified capital. In *Greening Berlin*, Jens Lachmund uses the example of Berlin to examine the scientific and political dynamics that produced this change.

After describing a tradition of urban greening in Berlin that began in the late nineteenth century, Lachmund details the practices of urban ecology and nature preservation that emerged in West Berlin after World War II and have continued in post-unification Berlin. He tells how ecologists and naturalists created an ecological understanding of urban space on which later nature-conservation policy was based. Lachmund argues that scientific change in ecology and the new politics of nature mutually shaped or “co-produced” each other under locally specific conditions in Berlin. He shows how the practices of ecologists coalesced with administrative practices to form an institutionally embedded and politically consequential “nature regime.”

Lachmund’s study sheds light not only on the changing place of nature in the modern city but also on the political use of science in environmental conflicts, showing the mutual formation of science, politics, and nature in an urban context.

Jens Lachmund is Lecturer in Science and Technology Studies at Maastricht University in the Netherlands.

February — 6 x 9, 336 pp. — 10 illus.

\$42.00S/£28.95 cloth
978-0-262-01859-3

Inside Technology series

Patently Contestable

Electrical Technologies and Inventor
Identities on Trial in Britain

Stathis Arapostathis and Graeme Gooday

Late nineteenth-century Britain saw an extraordinary surge in patent disputes over the new technologies

An examination of the fierce disputes that arose in Britain in the decades around 1900 concerning patents for electrical power and telecommunications.

of electrical power, lighting, telephony, and radio. These battles played out in the twin tribunals of the courtroom and the press. In *Patently Contestable*, Stathis Arapostathis and

Graeme Gooday examine how Britain’s patent laws and associated cultures changed from the 1870s to the 1920s. They consider how patent rights came to be so widely disputed and how the identification of apparently solo heroic inventors was the contingent outcome of patent litigation. Furthermore, they point out potential parallels between the British experience of allegedly patentee-friendly legislation introduced in 1883 and a similar potentially empowering shift in American patent policy in 2011.

After explaining the trajectory of an invention from laboratory to Patent Office to the court and the key role of patent agents, Arapostathis and Gooday offer four case studies of patent-centered disputes in Britain. These include the mostly unsuccessful claims against the UK alliance of Alexander Graham Bell and Thomas Edison in telephony; publicly disputed patents for technologies for the generation and distribution of electric power; challenges to Marconi’s patenting of wireless telegraphy as an appropriation of public knowledge; and the emergence of patent pools to control the market in incandescent light bulbs.

Stathis Arapostathis is Lecturer in the History of Science and Technology, Department of Philosophy and History of Science, at the National and Kapodistrian University of Athens, Greece. **Graeme Gooday** is Professor of the History of Science and Technology in the School of Philosophy, Religion and History of Science at the University of Leeds.

April — 6 x 9, 320 pp. — 15 illus.

\$40.00S/£27.95 cloth
978-0-262-01903-3

Inside Technology series

information policy/Internet studies

Regulating Code

Good Governance and Better Regulation in the Information Age

Ian Brown and Christopher T. Marsden

Internet use has become ubiquitous in the past two decades, but governments, legislators, and their regulatory agencies have struggled to keep up with the rapidly changing Internet technologies and uses. In this groundbreaking collaboration, regulatory lawyer Christopher Marsden

The case for a smarter “prosumer law” approach to Internet regulation that would better protect online innovation, public safety, and fundamental democratic rights.

and computer scientist Ian Brown analyze the regulatory shaping of “code”—the technological environment of the Internet—to achieve more economically efficient and socially just regulation. They examine five “hard cases” that illustrate the regulatory crisis: privacy and data protection; copyright and creativity incentives; censorship; social networks and user-generated content; and net neutrality.

The authors describe the increasing “multistakeholderization” of Internet governance, in which user groups argue for representation in the closed business-government dialogue, seeking to bring in both rights-based and technologically expert perspectives. Brown and Marsden draw out lessons for better future regulation from the regulatory and interoperability failures illustrated by the five cases. They conclude that governments, users, and better functioning markets need a smarter “prosumer law” approach. Prosumer law would be designed to enhance the competitive production of public goods, including innovation, public safety, and fundamental democratic rights.

Ian Brown is Senior Research Fellow at Oxford University's Oxford Internet Institute. He is the editor of the *Research Handbook on Governance of the Internet*. **Christopher T. Marsden** is Professor of Law at the University of Essex School of Law. He is the author of *Net Neutrality: Towards a Co-Regulatory Solution*, *Internet Co-Regulation*, and three other books.

March — 6 x 9, 288 pp. — 2 illus.

\$40.00S/£27.95 cloth
978-0-262-01882-1

Information Revolution and Global Politics series

history/urban planning/photography

The View from Above

The Science of Social Space

Jeanne Haffner

foreword by Peter Galison

In mid-twentieth century France, the term “social space” (*l'espace social*)—the idea that spatial form and

The role of aerial photography in the evolution of the concept of social space and its impact on French urban planning in the mid-twentieth century.

social life are inextricably linked—emerged in a variety of social science disciplines. Taken up by the French New Left, it also came to inform the practice of urban planning. In *The View from Above*, Jeanne

Haffner traces the evolution of the science of social space from the interwar period to the 1970s, illuminating in particular the role of aerial photography in this new way of conceptualizing socio-spatial relations.

As early as the 1930s, the view from above served for Marcel Griaule and other anthropologist as a means of connecting the social and the spatial. Just a few decades later, the Marxist urban sociologist Henri Lefebvre called the perspective enabled by aerial photography—a technique closely associated with the French colonial state and military—“the space of state control.” Lefebvre and others nevertheless used the notion of social space to recast the problem of massive modernist housing projects (grands ensembles) to encompass the modern suburb (banlieue) itself—a critique that has contemporary resonance in light of the banlieue riots of 2005 and 2007. Haffner shows how such “views” permitted new ways of conceptualizing the old problem of housing to emerge. She also points to broader issues, including the influence of the colonies on the metropole, the application of sociological expertise to the study of the built environment, and the development of a spatially oriented critique of capitalism.

Jeanne Haffner is a Lecturer on the History of Science at Harvard University.

March — 7 x 9, 208 pp. — 26 illus.

\$32.00S/£22.95 cloth
978-0-262-01879-1

information science

The Discipline of Organizing

edited by Robert J. Glushko

Organizing is such a common activity that we often do it without thinking much about it. In our daily lives we organize physical things—books on shelves, cutlery in kitchen drawers—and digital things—Web pages, MP3 files, scientific datasets. Millions of people create and browse Web sites, blog, tag, tweet, and upload and download content of all media types without thinking “I’m organizing now” or “I’m retrieving now.”

This book offers a framework for the theory and practice of organizing that integrates information organization (IO) and information retrieval (IR), bridging the disciplinary chasms between Library and Information Science and Computer Science, each of which views and teaches IO and IR as separate topics and in substantially different ways. It introduces the unifying concept of an Organizing System—an *intentionally arranged collection of resources and the interactions they support*—and then explains the key concepts and challenges in the design and deployment of Organizing Systems in many domains, including libraries, museums, business information systems, personal information management, and social computing.

Intended for classroom use or as a professional reference, the book covers the activities common to all organizing systems: identifying resources to be organized; organizing resources by describing and classifying them; designing resource-based interactions; and maintaining resources and organization over time. The book is extensively annotated with disciplinary-specific notes to ground it with relevant concepts and references of library science, computing, cognitive science, law, and business.

Robert J. Glushko is Adjunct Full Professor in the School of Information at the University of California, Berkeley. He is the coauthor (with Tim McGrath) of *Document Engineering: Analyzing and Designing Documents for Business Informatics and Web Services* (MIT Press).

A framework for the theory and practice of organizing that integrates the concepts and methods of information organization and information retrieval.

March
8 x 9, 752 pp.
50 illus.

\$52.00S/£35.95 cloth
978-0-262-51850-5

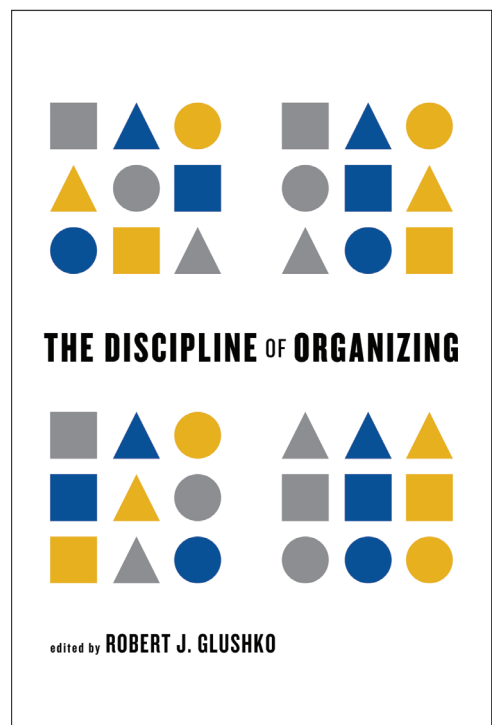
Also available

Document Engineering

Analyzing and Designing Documents for Business Informatics and Web Services

Robert J. Glushko and Tim McGrath

2008, 978-0-262-57245-3
\$23.00S/£15.95 paper



technology/current affairs

Prime Movers of Globalization

The History and Impact of Diesel Engines and Gas Turbines

Vaclav Smil

The story of how diesel engines and gas turbines, used to power cargo ships and jet airplanes, made today's globally integrated economy possible.

April
7 x 9, 272 pp.
73 illus.

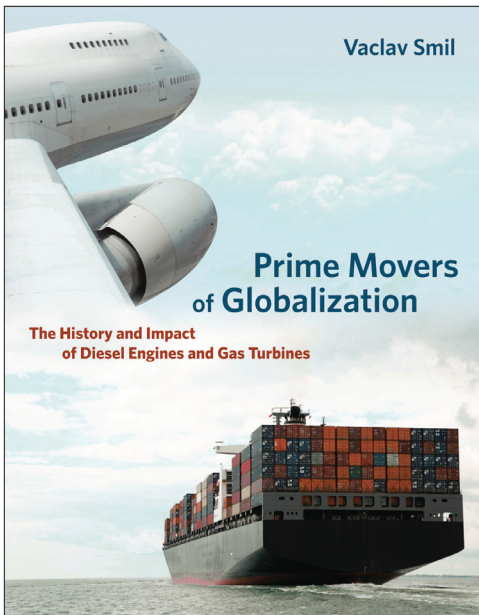
\$15.95T/£10.95 paper
978-0-262-51876-5

cloth 2010
978-0-262-01443-4

Also available

**Why America Is Not
a New Rome**
Vaclav Smil

2010, 978-0-262-19593-5
\$24.95T/£17.95 cloth



The many books on globalization published over the past few years range from claims that the world is flat to an unlikely rehabilitation of Genghis Khan as a pioneer of global commerce. Missing from these accounts is a consideration of the technologies behind the creation of the globalized economy. What makes it possible for us to move billions of tons of raw materials and manufactured goods from continent to continent? Why are we able to fly almost anywhere on the planet within twenty-four hours? In *Prime Movers of Globalization*, Vaclav Smil offers a history of two key technical developments that have driven globalization: the high-compression non-sparking internal combustion engines invented by Rudolf Diesel in the 1890s and the gas turbines designed by Frank Whittle and Hans-Joachim Pabst von Ohain in the 1930s. The massive diesel engines that power cargo ships and the gas turbines that propel jet engines, Smil argues, are more important to the global economy than any corporate structure or international trade agreement.

Vaclav Smil is the author of thirty books on energy, environment, food, and history of technical advances, including *Why America Is Not a New Rome* (MIT Press). Until 2011, he was a Distinguished Professor at the University of Manitoba in Canada. In 2010 he was named by *Foreign Policy* as one of the Top 100 Global Thinkers.

"Being an engineer myself, I admire the way Smil portrays the human Cinderellas of the industrial world: the unsung engineers who made momentous advances in the reliability and efficiency of their machines."

—Henk Tennekes, author of *The Simple Science of Flight*

"Mr. Smil's account of the engineering advances throughout the late 19th and 20th centuries—advances that brought the world large marine diesels and gas turbines—is first-rate history, both thorough and compelling."

—Nick Schulz, *The Wall Street Journal*

"By scrutinizing common yet often-overlooked technologies, Smil offers a fresh and useful perspective on world economics."

—Mark Reutter, *Wilson Quarterly*

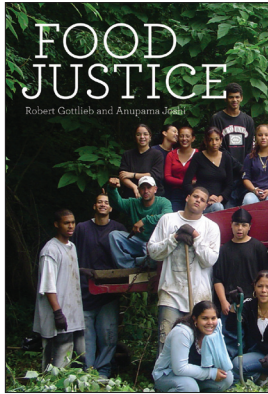
food/environment

Food Justice

Robert Gottlieb and Anupama Joshi

with a new preface

In today's food system, farm workers face difficult and hazardous conditions, low-income neighborhoods



lack supermarkets but abound in fast-food restaurants and liquor stores, food products emphasize convenience rather than wholesomeness, and the international reach of American fast-food franchises has been a major contributor to an epidemic of “globesity.” To combat these inequities and excesses, a movement for food justice has emerged

in recent years seeking to transform the food system from seed to table. In *Food Justice*, Robert Gottlieb and Anupama Joshi tell the story of this emerging movement.

Gottlieb and Joshi recount the history of food injustices and describe current efforts to change the system. The first comprehensive inquiry into this emerging movement, *Food Justice* addresses the increasing disconnect between food and culture that has resulted from our highly industrialized food system.

Robert Gottlieb is Henry R. Luce Professor of Urban Environmental Studies at Occidental College in Los Angeles. He is the author of *Reinventing Los Angeles: Nature and Community in the Global City* (MIT Press, 2007), and other books. **Anupama Joshi** is the Executive Director and Cofounder of the National Farm to School Network, a project of Tides Center (formerly based at the Urban & Environmental Policy Institute at Occidental College).

Honorable Mention, 2011 Paul Davidoff Award, presented by the Association of Collegiate Schools of Planning (ACSP)

“This book gives plenty of reason for hope, plus lots of useful information on how the struggle is being mounted for a sane food policy.”

—“Tikkun Recommends,” *Tikkun*

March — 6 x 9, 304 pp. — 19 illus.

\$16.95T/£11.95 paper
978-0-262-51866-6

cloth 2011
978-0-262-07291-5

Food, Health, and the Environment series

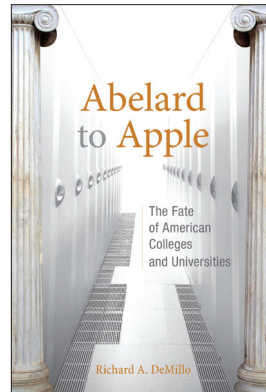
higher education/current affairs

Abelard to Apple

The Fate of American Colleges and Universities

Richard A. DeMillo

The vast majority of American college students attend two thousand or so private and public institutions that



might be described as the Middle—reputable educational institutions, but not considered equal to the elite and entrenched upper echelon of the Ivy League and other prestigious schools. Richard DeMillo has a warning for these colleges and universities in the Middle: If you do not change, you are heading for irrelevance and marginalization. In *Abelard to Apple*, DeMillo

argues that these institutions, clinging precariously to a centuries-old model of higher education, are ignoring the social, historical, and economic forces at work in today's world. In the age of iTunes, open source software, and for-profit online universities, there are new rules for higher education.

DeMillo, who has spent years in both academia and in industry, explains how higher education arrived at its current parlous state and offers a road map for the twenty-first century. His message—for colleges and universities, students, alumni, parents, employers, and politicians—is that any college or university can change course if it defines a compelling value proposition (one not based in “institutional envy” of Harvard and Berkeley) and imagines an institution that delivers it.

Richard A. DeMillo is Distinguished Professor of Computing and Professor of Management, former John P. Imlay Dean of Computing, and Director of the Center for 21st Century Universities at Georgia Institute of Technology.

“Both those who welcome and those (like me) who view with alarm the linking of undergraduate education to student career goals should read this wide-ranging and deeply informed analysis of the issues.”

—Stanley Fish, author of *How to Write a Sentence: And How to Read One*

April — 6 x 9, 344 pp. — 14 illus.

\$15.95T/£10.95 paper
978-0-262-51862-8

cloth 2011
978-0-262-01580-6

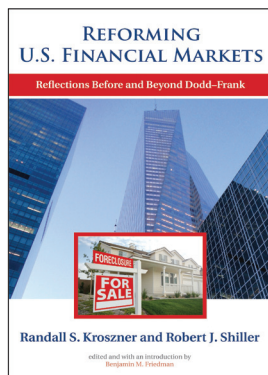
Reforming U.S. Financial Markets

Reflections Before and Beyond Dodd-Frank

Randall S. Kroszner and Robert J. Shiller

edited and with an introduction by Benjamin M. Friedman

Over the last few years, the financial sector has experienced its worst crisis since the 1930s. The collapse of



major firms, the decline in asset values, the interruption of credit flows, the loss of confidence in firms and credit market instruments, the intervention by governments and central banks: all were extraordinary in scale and scope. In this book, leading economists Randall Kroszner and Robert Shiller discuss what the United

States should do to prevent another such financial meltdown. Their discussion goes beyond the nuts and bolts of legislative and regulatory fixes to consider fundamental changes in our financial arrangements.

Kroszner and Shiller offer two distinctive approaches to financial reform, with Kroszner providing a systematic analysis of regulatory gaps and Shiller addressing the broader concerns of democratizing and humanizing finance.

Randall S. Kroszner is Norman R. Bobins Professor of Economics in the University of Chicago's Booth School of Business. **Robert J. Shiller** is Arthur M. Okun Professor of Economics at Yale University. He is the author of *Finance and the Good Society* and other books.

"In this extremely readable and thought-provoking volume, two of America's leading financial experts provide an excellent roadmap to financial reform after Dodd-Frank."

—**Robert E. Litan**, Director of Research, Bloomberg International

April — 5 3/8 x 8, 176 pp.

\$10.95T/£9.95 paper
978-0-262-51873-4

cloth 2011
978-0-262-01545-5

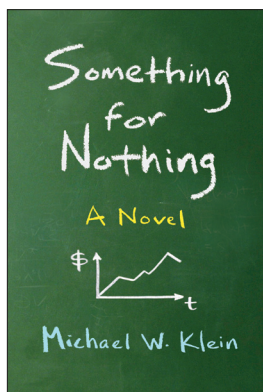
The Alvin Hansen Symposium on Public Policy at Harvard University

Something for Nothing

A Novel

Michael W. Klein

David Fox (PhD Economics, Columbia, Visiting Assistant Professor at Kester College, Knittersville,



New York) is having a stressful year. He has a temporary position at a small college in a small town miles from everything except Albany. His research is stagnant, to put it kindly. His search for a tenure-track job looms dauntingly. So when a right-wing think tank called the Center to Research Opportunities for a Spiritual Society (CROSS)—affiliated with the Salvation

Academy for Value Economics (SAVE)—wants to publish (and publicize) a paper he wrote as a graduate student showing the benefits of high school abstinence programs, fetchingly retitled "Something for Nothing," he ignores his misgivings and accepts happily. After all, publication is "the coin of the realm," as a senior colleague puts it.

But David faces a personal dilemma when his prized results are cast into doubt. The school year is filled with other challenges as well, including faculty politics, a romance with a Knittersville native, running the annual interview gauntlet, and delivering the culminating "job talk" lecture under trying circumstances. David's adventures offer an instructive fictional guide for the young economist and an entertaining and comic tale for everyone interested in questions of balancing career and life, success and integrity, and loyalty and desire.

Michael W. Klein is William L. Clayton Professor of International Economic Affairs at the Fletcher School, Tufts University.

"Often amusing, sometimes edifying, and always entertaining."

—**N. Gregory Mankiw**, author of *Principles of Economics*

April — 5 3/8 x 8, 336 pp.

\$14.95T/£10.95 paper
978-0-262-51871-0

cloth 2011
978-0-262-01575-2

business/innovation

Wired for Innovation

How Information Technology is Reshaping the Economy

Erik Brynjolfsson and Adam Saunders

A wave of business innovation is driving the productivity resurgence in the U.S. economy. In *Wired for Innovation*,



Erik Brynjolfsson and Adam Saunders describe how information technology directly or indirectly created this productivity explosion, reversing decades of slow growth. They argue that the companies with the highest level of returns to their technology investment are doing more than just buying technology; they are inventing new forms of organizational capital to become digital organi-

zations. These innovations include a cluster of organizational and business-process changes, including broader sharing of information, decentralized decision-making, linking pay and promotions to performance, pruning of non-core products and processes, and greater investments in training and education.

Innovation continues through booms and busts. This book provides an essential guide for policy makers and economists who need to understand how information technology is transforming the economy and how it will create value in the coming decade.

Erik Brynjolfsson, Schussel Family Professor at MIT's Sloan School of Management and Director of the MIT Center for Digital Business, is the coeditor of *Understanding the Digital Economy: Data, Tools, and Research* (MIT Press). **Adam Saunders** is Assistant Professor in the Management Information Systems Division of the Sauder School of Business at the University of British Columbia.

"Those wishing to become a formative part of the new economy—rather than merely a footnote—should read this book."

—John Gilbey, *Nature*

April — 5 3/8 x 8, 176 pp. — 13 illus.

\$12.95T/£9.95 paper
978-0-262-51861-1

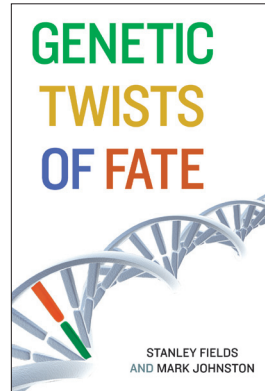
cloth 2009
978-0-262-01366-6

science/medicine

Genetic Twists of Fate

Stanley Fields and Mark Johnston

News stories report almost daily on the remarkable progress scientists are making in unraveling the genetic



basis of disease and behavior. Meanwhile, new technologies are rapidly reducing the cost of reading someone's personal DNA (all six billion letters of it). Within the next ten years, hospitals may present parents with their newborn's complete DNA code along with her footprints and APGAR score. In *Genetic Twists of Fate*, the distinguished geneticists

Stanley Fields and Mark Johnston help us make sense of the genetic revolution that is upon us.

Fields and Johnston tell real life stories that hinge on the inheritance of one tiny change rather than another in an individual's DNA: a mother wrongly accused of poisoning her young son when the true killer was a genetic disorder; the screen siren who could no longer remember her lines because of Alzheimer's disease; and the president who was treated with rat poison to prevent another heart attack. In an engaging and accessible style, Fields and Johnston explain what our personal DNA code is, and how that code influences our appearance, our behavior, and our risk for common diseases.

Stanley Fields is Professor of Genome Sciences and Medicine at the University of Washington and a Howard Hughes Medical Institute Investigator. **Mark Johnston** is Professor and Chair of the Department of Biochemistry and Molecular Genetics at the University of Colorado School of Medicine and Editor-in-Chief of the journal *Genetics*.

Honorable Mention, 2010 American Publishers Award for Professional and Scholarly Excellence (PROSE Award) in the Popular Science and Popular Mathematics category

"Both enlightening and entertaining."

—Anthony J. Delluercio, *The Quarterly Review of Biology*

April — 6 x 9, 240 pp. — 42 illus.

\$15.95T/£10.95 paper
978-0-262-51864-2

cloth 2010
978-0-262-01470-0

art

Art Power

Boris Groys

Art has its own power in the world, and is as much a force in the power play of global politics today as it once was in the arena of cold war politics. Art, argues the distinguished theoretician Boris Groys, is hardly a powerless commodity subject to the art market's fiat of inclusion and exclusion. In *Art Power*, Groys examines modern and contemporary art according to its ideological function. Art, Groys writes, is produced and brought before the public in two ways—as a commodity and as a tool of political propaganda. In the contemporary art scene, very little attention is paid to the latter function.

Arguing for the inclusion of politically motivated art in contemporary art discourse, Groys considers art produced under totalitarianism, Socialism, and post-Communism. He also considers today's mainstream Western art—which he finds behaving more and more according to the norms of ideological propaganda: produced and exhibited for the masses at international exhibitions, biennials, and festivals. Contemporary art, Groys argues, demonstrates its power by appropriating the iconoclastic gestures directed against itself—by positioning itself simultaneously as an image and as a critique of the image.

Boris Groys is Professor of Philosophy and Art Theory at the Academy for Design in Karlsruhe, Germany, and Global Professor at New York University. He is the author of many books, including *The Art of Stalinism* and *History Becomes Form: Moscow Conceptualism* (MIT Press).

Winner of the 2009 Frank Jewett Mather Award given by the College Art Association

"*Art Power* recombines categories, reconfigures assumptions, and, in the end, reimagines what art writing can be."

—**Matthew Jesse Jackson, *Bookforum***

April — 6 x 9, 200 pp.

\$14.95T/£10.95 paper
978-0-262-51868-0

cloth 2008
978-0-262-07292-2

architecture

Architecture Depends

Jeremy Till

Architecture depends—on what? On people, time, politics, ethics, mess: the real world. Architecture, Jeremy Till argues with conviction in this engaging, sometimes pugnacious book, cannot help itself; it is dependent for its very existence on things outside itself. Despite the claims of autonomy, purity, and control that architects like to make about their practice, architecture is buffeted by uncertainty and contingency



Circumstances invariably intervene to upset the architect's best-laid plans—at every stage in the process, from design through construction to occupancy. Architects, however, tend to deny this, fearing contingency and preferring to pursue perfection. With *Architecture Depends*, architect and critic Jeremy Till offers a proposal for rescuing architects from themselves: a way to bridge the gap between what architecture actually is and what architects want it to be. Mixing anecdote, design, social theory, and personal experience, Till's writing is always accessible, moving freely between high and low registers, much like his suggestions for architecture itself.

Jeremy Till is Head of Central St Martins/Pro Vice-Chancellor, University of the Arts London, and a partner at Sarah Wigglesworth Architects. Their projects include the pioneering 9 Stock Orchard Street (The Strawbale House and Quilted Office), winner of multiple awards.

Winner of the 2009 President's Award for Research given by the Royal Institute of British Architects

"This is a brave, enjoyable, affirming and important book."

—**Flora Samuel, "Book of the Week," *Times Higher Education***

"Just like the straw-bale house, this book is bursting with ideas... Like his writing style, the form of practice Till describes is generous, humane and enduring."

—**Robert Mull, *The Architects' Journal***

April — 6 x 9, 272 pp. — 23 illus.

\$12.95T/£9.95 paper
978-0-262-51878-9

cloth 2009
978-0-262-01253-9

art

Perpetual Inventory

Rosalind E. Krauss

The job of an art critic is to take perpetual inventory, constantly revising her ideas about the direction of contemporary art and the significance of the work she writes about. In these essays, which span three decades of assessment and reassessment, Rosalind Krauss considers what she has come to call the “*post-medium condition*”—the abandonment by contemporary art of the modernist emphasis on the medium as the source of artistic significance. Jean-François Lyotard argued that the postmodern condition is characterized by the end of a “master narrative,” and Krauss sees in the post-medium condition of contemporary art a similar farewell to coherence. The master narrative of contemporary art ended when conceptual art and other contemporary practices jettisoned the specific medium in order to juxtapose image and written text in the same work. For Krauss, this spells the end of serious art, and she devotes much of *Perpetual Inventory* to “wrest[ling] new media to the mat of specificity.”

Krauss also writes about artists who are reinventing the medium, artists who persevere in the service of a nontraditional medium (“strange new apparatuses” often adopted from commercial culture), among them Ed Ruscha, Christian Marclay, William Kentridge, and James Coleman.

Rosalind E. Krauss, University Professor at Columbia University and an editor and cofounder of *October* magazine, is the author of *The Originality of the Avant-Garde and Other Modernist Myths* (MIT Press) and other books.

“The art theorist and professor Rosalind Krauss has been a forceful and oftentimes fearful presence in the art world for over forty years now.”

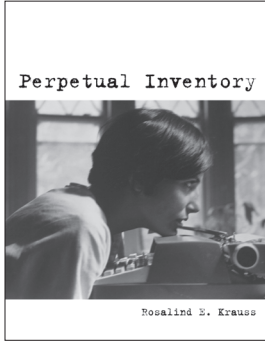
—Hilton Als, *The New Yorker*

April — 7 x 9, 320 pp. — 47 illus.

\$16.95T/£11.95 paper
978-0-262-51872-7

cloth 2010
978-0-262-01380-2

An October Book



art

Inside Jokes

Using Humor to Reverse-Engineer the Mind

Matthew M. Hurley, Daniel C. Dennett, and Reginald B. Adams, Jr.

Some things are funny—jokes, puns, sitcoms, Charlie Chaplin, *The Far Side*, Malvolio with his yellow garters crossed—but why? Why does humor exist in the first place? Why do we spend so much of our time passing on amusing anecdotes, making wisecracks, watching *The Simpsons*? In *Inside Jokes*, Matthew Hurley, Daniel Dennett, and Reginald Adams offer an evolutionary and cognitive perspective. Humor, they propose, evolved out of a computational

problem that arose when our long-ago ancestors were furnished with open-ended thinking. Mother Nature—aka natural selection—cannot just order the brain to find and fix all our time-pressured misleaps and near-misses. She has to bribe the brain with pleasure. So we find them funny. This wired-in source of pleasure has been tickled relentlessly by humorists over the centuries, and we have become addicted to the endogenous mind candy that is humor.

Matthew M. Hurley is researching emotions and creativity under Douglas R. Hofstadter at the Center for Research on Concepts and Cognition at Indiana University.

Daniel C. Dennett is University Professor and Austin B. Fletcher Professor of Philosophy at Tufts University. He is the author of *Sweet Dreams: Philosophical Obstacles to a Science of Consciousness* (MIT Press) and other books.

Reginald B. Adams, Jr., is Assistant Professor of Psychology at Penn State University.

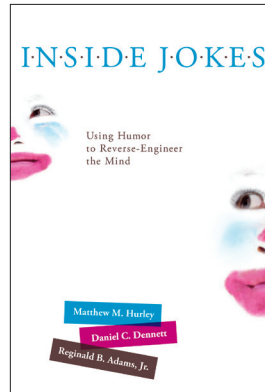
“Hurley, Dennett, and Adams go at the problem with the ingenuity of first-rate scientists and the timing of first-rate comics.”

—Rebecca Newberger Goldstein, author of *36 Arguments for the Existence of God: A Work of Fiction*

April — 6 x 9, 376 pp.

\$17.95T/£12.95 paper
978-0-262-51869-7

cloth 2011
978-0-262-01582-0



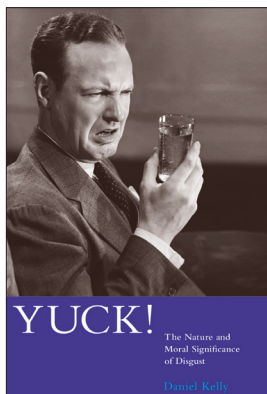
philosophy/psychology

Yuck!

The Nature and Moral Significance of Disgust

Daniel Kelly

People can be disgusted by the concrete and by the abstract—by an object they find physically repellent or



by an ideology or value system they find morally abhorrent. Different things will disgust different people, depending on individual sensibilities or cultural backgrounds. In *Yuck!*, Daniel Kelly investigates the character and evolution of disgust, with an emphasis on understanding the role this emotion has come to play in our social and moral lives.

Disgust has recently been riding a swell of scholarly attention, especially from those in the cognitive sciences and those in the humanities in the midst of the “affective turn.” Kelly proposes a cognitive model that can accommodate what we now know about disgust. He offers a new account of the evolution of disgust that builds on the model and argues that expressions of disgust are part of a sophisticated but largely automatic signaling system that humans use to transmit information about what to avoid in the local environment. He shows that many of the puzzling features of moral repugnance tinged with disgust are by-products of the imperfect fit between a cognitive system that evolved to protect against poisons and parasites and the social and moral issues on which it has been brought to bear. Kelly’s account of this emotion provides a powerful argument against invoking disgust in the service of moral justification.

Daniel Kelly is Associate Professor in the Department of Philosophy at Purdue University.

“Yuck!” is a short, clear, engaging book that is likely to make a lasting impact on philosophical thinking about the emotions.”
—Timothy Schroeder, *Ethics*

April — 6 x 9, 208 pp. — 5 illus.

\$17.95T/£12.95 paper
978-0-262-51855-0

cloth 2011
978-0-262-01558-5

Life and Mind series

philosophy

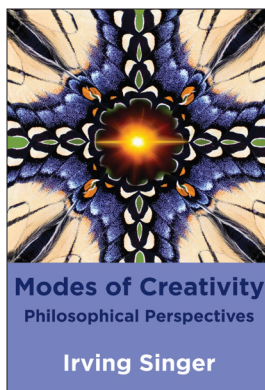
Modes of Creativity

Philosophical Perspectives

Irving Singer

appendix by Moreland Perkins

In this philosophical exploration of creativity, Irving Singer describes the many different types of creati-



ity and their varied manifestations within and across all the arts and sciences. Singer’s approach is pluralistic rather than abstract or dogmatic. His reflections amplify recent discoveries in cognitive science and neurobiology by aligning them with the aesthetic, affective, and phenomenological framework of experience and behavior that

characterizes the human quest for meaning.

Creativity has long fascinated Singer, and in *Modes of Creativity* he carries forward investigations begun in earlier works. Marshaling a wealth of examples and anecdotes ranging from antiquity to the present, about persons as diverse as Albert Einstein and Sherlock Holmes, Singer describes the interactions of the creative and the imaginative, the inventive, the novel, and the original. He maintains that our preoccupation with creativity devolves from biological, psychological, and social bases of our material being; that creativity is not limited to any single aspect of human existence but rather inheres not only in art and the aesthetic but also in science, technology, moral practice, as well as ordinary daily experience.

Irving Singer is Professor of Philosophy at MIT. He is the author of the trilogies *The Nature of Love* and *Meaning in Life*, published by the MIT Press, and many other books..

“This book is vintage Singer: thoughtful, well-informed, sensitive, and sensible. It rewards the reader with a host of good ideas.”

—John Lachs, **Centennial Professor of Philosophy, Vanderbilt University,** and author of *The Relevance of Philosophy to Life*

“One has to be grateful for philosophers like Irving Singer.”

—Adam Gonya, *Philosophy in Review*

April — 6 x 9, 328 pp.

\$17.95T/£12.95 paper
978-0-262-51875-8

cloth 2011
978-0-262-01492-2

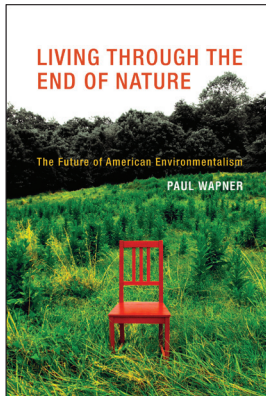
environment/political science

Living Through the End of Nature

The Future of American Environmentalism

Paul Wapner

Environmentalists have always worked to protect the wildness of nature but now must find a new direction.



We have so tamed, colonized, and contaminated the natural world that safeguarding it from humans is no longer an option. Humanity's imprint is now everywhere and all efforts to "preserve" nature require extensive human intervention. At the same time, we are repeatedly told that there is no such thing as nature itself—only our own conceptions of it.

One person's endangered species is another's dinner or source of income. In *Living Through the End of Nature*, Paul Wapner probes the meaning of environmentalism in a postnature age.

Wapner argues that we can neither go back to a preindustrial Elysium nor forward to a technological utopia. He proposes a third way that takes seriously the breached boundary between humans and nature and charts a co-evolutionary path in which environmentalists exploit the tension between naturalism and mastery to build a more sustainable, ecologically vibrant, and socially just world.

Beautifully written and thoughtfully argued, *Living Through the End of Nature* provides a powerful vision for environmentalism's future.

Paul Wapner is Professor of Global Environmental Politics in the School of International Service at American University. He is the author of *Environmental Activism and World Civic Politics*.

"Wapner's book is the most sophisticated analysis of the theoretical issues underlying contemporary environmentalism yet written."

—*Tikkun*

April — 5 3/8 x 8, 272 pp. — 8 illus.

\$12.95T/£9.95 paper
978-0-262-51879-6

cloth 2010
978-0-262-01415-1

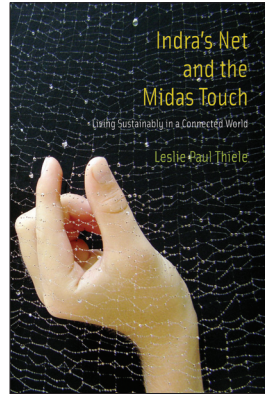
environment/politics

Indra's Net and the Midas Touch

Living Sustainably in a Connected World

Leslie Paul Thiele

We live today in a global web of interdependence, connected technologically, economically, politically, and socially. As a result of these expanding and deepening interdependencies, it has become impossible fully to control—or foretell—the effects of our actions. The world is rife with unintended consequences. The first law of human ecology—which declares that we can never do merely one thing—is a truth we ignore at our peril.



In *Indra's Net and the*

Midas Touch, Leslie Paul Thiele explores the impact of interdependence and unintended consequences on our pursuit of sustainability.

Unfortunately, good intentions provide no antidote to the law of unintended consequences, and proffered cures often prove worse than the disease. We must fundamentally transform our patterns of thinking and behavior. Thiele offers the intellectual and moral foundations for this transformation, drawing from ecology, ethics, technology, economics, politics, psychology, physics, and metaphysics. Awareness of our interconnectedness, he writes, stimulates creativity and community; it is a profound responsibility and a blessing beyond measure.

Leslie Paul Thiele is Professor in the Department of Political Science and the Director of Sustainability Studies at the University of Florida. He is the author of *Environmentalism for a New Millennium: The Challenge of Coevolution* and other books.

"It is in some ways a state-of-the-planet report, of which there are many, but *Indra's Net and the Midas Touch* also does quite a lot more. It offers a way of thinking that might serve to chart a route into a safe and happy future."

—*Jules Pretty, Times Higher Education*

April — 6 x 9, 344 pp. — 1 illus.

\$15.95T/£10.95 paper
978-0-262-51877-2

cloth 2011
978-0-262-01609-4

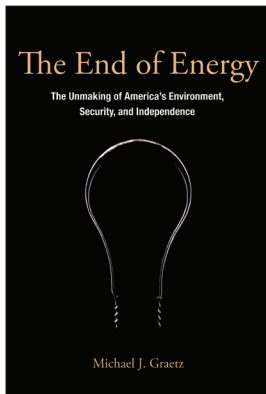
current affairs/environment

The End of Energy

The Unmaking of America's Environment, Security, and Independence

Michael J. Graetz

Americans take for granted that when we flip a switch the light will go on, when we turn up the thermostat



the room will get warm, and when we pull up to the pump gas will be plentiful and relatively cheap. In *The End of Energy*, Michael Graetz shows us that we have been living an energy delusion for forty years. Until the 1970s, we produced domestically all the oil we needed to run our power plants, heat our homes, and fuel our cars. Since then, we have had to import most of

the oil we use, much of it from the Middle East. And we rely on an even dirtier fuel—coal—to produce half of our electricity.

Graetz describes more than forty years of energy policy incompetence and argues that we must make better decisions for our energy future. Despite thousands of pages of energy legislation since the 1970s (passed by a Congress that tended to elevate narrow parochial interests over our national goals), Americans have never been asked to pay a price that reflects the real cost of the energy they consume. Until Americans face the facts about price, our energy incompetence will continue—and along with it the unraveling of our environment, security, and independence.

Michael J. Graetz is Isidor and Seville Sulzbacher Professor of Law and Columbia Alumni Professor of Tax Law at Columbia University and Professor of Law, Emeritus, at Yale Law School. His other books include *Death by a Thousand Cuts: The Fight over Taxing Inherited Wealth*.

"A compelling case for a radical shift in our approach to energy production that Washington policy makers would do well to study closely."

—**Carl Hays**, *Booklist*

April — 6 x 9, 384 pp. — 5 illus.

\$17.95T/£12.95 paper
978-0-262-51867-3

cloth 2011
978-0-262-01567-7

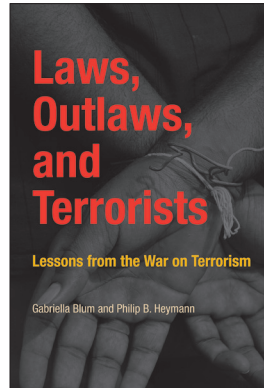
current affairs/politics

Laws, Outlaws, and Terrorists

Lessons from the War on Terrorism

Gabriella Blum and Philip B. Heymann

In an age of global terrorism, can the pursuit of security be reconciled with liberal democratic values and legal principles?



In *Laws, Outlaws, and Terrorists*, Gabriella Blum and Philip Heymann reject the argument that traditional American values embodied in domestic and international law can be ignored in any sustainable effort to keep the United States safe from terrorism. They demonstrate that the costs are great and the benefits slight from separating security

and the rule of law. They call for reasoned judgment instead of a wholesale abandonment of American values. They also argue that being open to negotiations and seeking to win the moral support of the communities from which the terrorists emerge are noncoercive strategies that must be included in any future efforts to reduce terrorism.

Gabriella Blum is Rita E. Hauser Professor of Human Rights and International Humanitarian Law at Harvard Law School, author of *Islands of Agreement: Managing Enduring Armed Rivalries*, and former Legal Advisor for the Israel Defense Forces. **Philip B. Heymann** is James Barr Ames Professor of Law at Harvard Law School and a former Deputy Attorney General of the United States. He is author of *Terrorism, Freedom, and Security* and *Preserving Liberty in an Age of Terror*, both published by the MIT Press.

Winner, 2010 Chicago-Kent College of Law's Roy C. Palmer Civil Liberties Prize

"An important, thoughtful, and, above all, reasoned book about how we can adapt the laws of war and the laws of crime to fashion a responsible and effective response to the terrorist threat."

—**Louise Richardson**, Principal and Vice-Chancellor, University of St. Andrews

April — 6 x 9, 256 pp.

\$14.95T/£10.95 paper
978-0-262-51860-4

cloth 2010
978-0-262-01475-5

Belfer Center Studies in International Security

game studies

Critical Play

Radical Game Design

Mary Flanagan

For many players, games are entertainment, diversion, relaxation, fantasy. But what if certain games were



something more than this, providing not only outlets for entertainment but a means for creative expression, instruments for conceptual thinking, or tools for social change? In *Critical Play*, artist and game designer Mary Flanagan examines alternative games—games that challenge the accepted norms embed-

ded within the gaming industry—and argues that games designed by artists and activists are reshaping everyday game culture.

Flanagan provides a lively historical context for critical play through twentieth-century art movements, connecting subversive game design to subversive art. She looks at artists' alternative computer-based games and explores games for change, considering the way activist concerns can be incorporated into game design.

Arguing that this kind of conscious practice—which now constitutes the avant-garde of the computer game medium—can inspire new working methods for designers, Flanagan offers a model for designing that will encourage the subversion of popular gaming tropes through new styles of game making, and proposes a theory of alternate game design that focuses on the reworking of contemporary popular game practices.

Mary Flanagan, artist and game designer, is Founder and Director of Tiltfactor Laboratory and Sherman Fairchild Distinguished Professor of Digital Humanities at Dartmouth College. She is the coeditor (with Austin Booth) of *Reload: Rethinking Women + Cyberculture* and *reskin*, both published by the MIT Press.

"Flanagan has equipped students and practitioners of game design with a generous multi-functional tool, to instruct and inspire."

—Ragnhild Tronstad, *Game Design*

April — 7 x 9, 368 pp. — 116 illus.

\$15.95T/£10.95 paper
978-0-262-51865-9

cloth 2009
978-0-262-06268-8

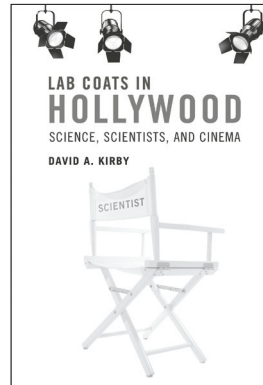
science/film

Lab Coats in Hollywood

Science, Scientists, and Cinema

David A. Kirby

Stanley Kubrick's *2001: A Space Odyssey*, released in 1968, is perhaps the most scientifically accurate film



ever produced. The film presented such a plausible, realistic vision of space flight that many moon hoax proponents believe that Kubrick staged the 1969 moon landing using the same studios and techniques. Kubrick's scientific verisimilitude in *2001* came courtesy of his science consultants—including two former NASA scientists—and the more

than sixty-five companies, research organizations, and government agencies that offered technical advice. Although most filmmakers don't consult experts as extensively as Kubrick did, films ranging from *A Beautiful Mind* and *Contact* to *Finding Nemo* and *The Hulk* have achieved some degree of scientific credibility because of science consultants. In *Lab Coats in Hollywood*, David Kirby examines the interaction of science and cinema: how science consultants make movie science plausible, how filmmakers negotiate scientific accuracy within production constraints, and how movies affect popular perceptions of science.

David A. Kirby is Senior Lecturer in Science Communication Studies at the Centre for the History of Science, Technology, and Medicine at the University of Manchester, England.

Top 10 Books of 2011, *Physics World*

"Kirby's command of the subject makes for entertaining reading and, likely, more informed viewing."

—*Publishers Weekly*

"Opens a fascinating window on to the world of science and cinema."

—*Times Higher Education*

April — 6 x 9, 280 pp. — 75 illus.

\$16.95T/£11.95 paper
978-0-262-51870-3

cloth 2011
978-0-262-01478-6

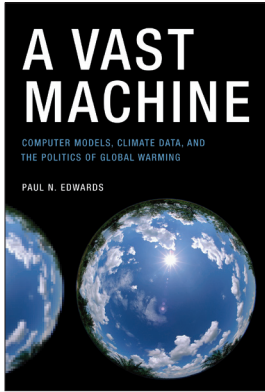
history of technology/science

A Vast Machine

Computer Models, Climate Data,
and the Politics of Global Warming

Paul N. Edwards

Global warming skeptics often fall back on the argument that the scientific case for global warming is all



model predictions, nothing but simulation; they warn us that we need to wait for real data, “sound science.”

In *A Vast Machine* Paul Edwards has news for these skeptics: without models, there are no data. Today, no collection of signals or observations—even from satellites, which can “see” the whole planet with a single

instrument—becomes global in time and space without passing through a series of data models. Everything we know about the world’s climate we know through models. Edwards offers an engaging and innovative history of how scientists learned to understand the atmosphere—to measure it, trace its past, and model its future.

Paul N. Edwards is Professor in the School of Information and the Department of History at the University of Michigan. He is the author of *The Closed World: Computers and the Politics of Discourse in Cold War America* (MIT Press).

Winner, 2010 ASLI Choice Award in the History category, awarded by Atmospheric Science Librarians International

Winner, 2011 Computer History Museum Prize, awarded by the Society for the History of Technology

“I recommend this book with considerable enthusiasm. Although it’s a term reviewers have made into a cliché, I think *A Vast Machine* is nothing less than a tour de force.”

—Noel Castree, *American Scientist*

April — 6 x 9, 552 pp. — 74 illus.

\$18.95T/£13.95 paper
978-0-262-51863-5

cloth 2010
978-0-262-01392-5

Infrastructures series

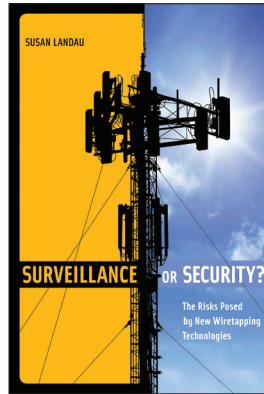
current affairs/technology

Surveillance or Security?

The Risks Posed by New Wiretapping
Technologies

Susan Landau

Digital communications are the lifeblood of modern society. We “meet up” online, tweet our reactions



millions of times a day, connect through social networking rather than in person. Large portions of business and commerce have moved to the Web, and much of our critical infrastructure, including the electric power grid, is controlled online. This reliance on information systems leaves us highly exposed and vulnerable to cyberattack. Despite this, U.S. law enforcement

and national security policy remain firmly focused on wiretapping and surveillance. But, as cybersecurity expert Susan Landau argues in *Surveillance or Security?*, the old surveillance paradigms do not easily fit the new technologies. By embedding eavesdropping mechanisms into communication technology itself, we are building tools that could be turned against us and opting for short-term security and creating dangerous long-term risks.

Susan Landau works in cybersecurity, privacy, and public policy, was a Distinguished Engineer at Sun Microsystems, and a 2012 Guggenheim Fellow. She is the coauthor (with Whitfield Diffie) of *Privacy on the Line: The Politics of Wiretapping and Encryption* (MIT Press).

2012 Surveillance Studies Book Prize, given by the Surveillance Studies Network

“Susan Landau has taken an exceptionally complex but vital subject and presented it in a clear and compelling way.”

—Jonathan Zittrain, Professor of Law and Professor of Computer Science, Harvard University; author, *The Future of the Internet—And How to Stop It*

April — 6 x 9, 400 pp. — 9 illus.

\$17.95T/£12.95 paper
978-0-262-51874-1

cloth 2011
978-0-262-01530-1

health care

Better Doctors, Better Patients, Better Decisions

Envisioning Health Care 2020

edited by Gerd Gigerenzer and J. A. Muir Gray

Contrary to popular opinion, one of the main problems in providing uniformly excellent health care is not lack of money but lack of knowledge—on the part of both doctors and patients. The studies in this book show that many doctors and most patients do not understand the available medical evidence. Both patients and doctors are “risk illiterate”—frequently unable to tell the difference between actual risk and relative risk. Further, unwarranted disparity in treatment decisions is the rule rather than the exception in the United States and Europe. All of this contributes to much wasted spending in health care.

The contributors to *Better Doctors, Better Patients, Better Decisions* investigate the roots of the problem, from the emphasis in medical research on technology and blockbuster drugs to the lack of education for both doctors and patients. They call for a new, more enlightened health care, with better medical education, journals that report study outcomes completely and transparently, and patients in control of their personal medical records, not afraid of statistics but able to use them to make informed decisions about their treatments.

Gerd Gigerenzer is Director at the Max Planck Institute for Human Development, Berlin. He is the author of *Calculated Risks*, among other books, and the coeditor of *Bounded Rationality: The Adaptive Toolbox* and *Heuristics and the Law*, both published by the MIT Press. **J. A. Muir Gray** is director of the National Knowledge Service, Oxford. He is the author of *Evidence-Based Healthcare*.

“This impressive series of position pieces is excellent and essential reading for all those seeking to promote patient involvement and improve patient experiences of health care.”

—**Adrian G. K. Edwards, Department of Primary Care and Public Health, School of Medicine, Cardiff University**

“Health care needs an overarching goal that is shared by all stakeholders, and the one that is emerging is improvement of the value of care from the patients’ perspective. This collection of papers from international experts explores the wide range of work that lies ahead, always thoughtfully and often brilliantly.”

—**Thomas H. Lee, Network President, Partners Healthcare System, Boston**

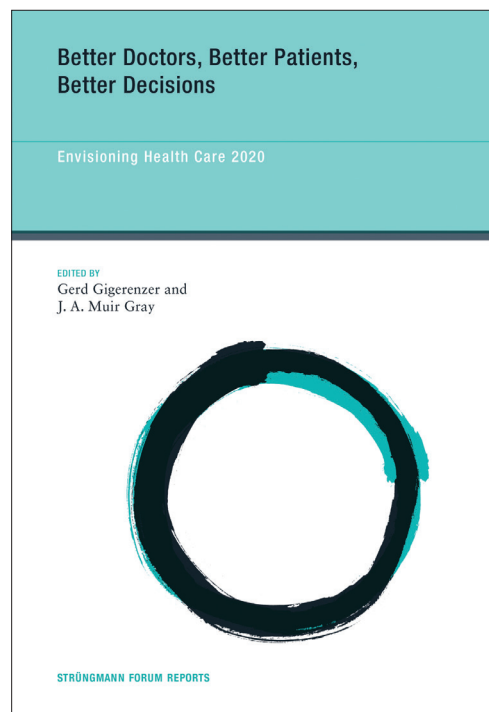
How eliminating “risk illiteracy” among doctors and patients will lead to better health care decision making.

March
6 x 9, 416 pp.

\$20.00S/£13.95 paper
978-0-262-51852-9

cloth 2011
978-0-262-01603-2

Strüngmann Forum Reports



economics/finance

Inside and Outside Liquidity

Bengt Holmström and Jean Tirole

Why do financial institutions, industrial companies, and households hold low-yielding money balances, Treasury bills, and other liquid assets? When and to what extent can the state and international financial markets make up for a shortage of liquid assets, allowing agents to save and share risk more effectively? These questions are at the center of all financial crises, including the current global one.

In *Inside and Outside Liquidity*, leading economists Bengt Holmström and Jean Tirole offer an original, unified perspective on these questions. In a slight, but important, departure from the standard theory of finance, they show how imperfect pledgeability of corporate income leads to a demand for as well as a shortage of liquidity with interesting implications for the pricing of assets, investment decisions, and liquidity management. The government has an active role to play in improving risk-sharing between consumers with limited commitment power and firms dealing with the high costs of potential liquidity shortages. In this perspective, private risk-sharing is always imperfect and may lead to financial crises that can be alleviated through government interventions.

Bengt Holmström is Paul A. Samuelson Professor of Economics at MIT, where he was Head of the Economics Department from 2003 to 2006. **Jean Tirole** is Scientific Director of IDEI (Institut d'Économie Industrielle), Chairman of the Board of TSE (Toulouse School of Economics), and Annual Visiting Professor of Economics at MIT.

"This is a very insightful book on a difficult and poorly understood topic at the center of the current financial crisis."

—Xavier Vives, IESE Business School, Barcelona

March — 6 x 9, 264 pp. — 22 illus.

\$19.00S/£13.95 paper
978-0-262-51853-6

cloth 2011
978-0-262-01578-3

economics/history

Trade and Poverty

When the Third World Fell Behind

Jeffrey G. Williamson

Today's wide economic gap between the postindustrial countries of the West and the poorer countries of the third world is not new. Fifty years ago, the world economic order—two hundred years in the making—was already characterized by a vast difference in per capita income between rich and poor countries and by the fact that poor countries exported commodities (agricultural or mineral products) while rich countries exported manufactured products.

In *Trade and Poverty*, leading economic historian Jeffrey G. Williamson traces the great divergence between the third world and the West to this nexus of trade, commodity specialization, and poverty.

Analyzing the role of specialization, de-industrialization, and commodity price volatility with econometrics and case studies of India, Ottoman Turkey, and Mexico, Williamson demonstrates why the close correlation between trade and poverty emerged. Globalization and the great divergence were causally related, and thus the rise of globalization over the past two centuries helps account for the income gap between rich and poor countries today.

Jeffrey G. Williamson is Laird Bell Professor of Economics Emeritus at Harvard and Honorary Fellow in the Department of Economics at the University of Wisconsin–Madison. He is the coauthor of *Globalization and History: The Evolution of a Nineteenth-Century Atlantic Economy* and of *Global Migration and the World Economy: Two Centuries of Policy and Performance*, both published by the MIT Press.

"Our leading economic historian has chosen just the right moment to distill his life's work."

—William Easterly, author of *The Elusive Quest for Growth* and *The White Man's Burden*

March — 6 x 9, 320 pp. — 30 illus.

\$20.00S/£13.95 paper
978-0-262-51859-8

cloth 2011
978-0-262-01515-8

technology/children

Hanging Out, Messing Around, and Geeking Out

Kids Living and Learning with New Media

Mizuko Ito

Sonja Baumer, Matteo Bittanti, danah boyd, Rachel Cody, Becky Herr-Stephenson, Heather A. Horst, Patricia G. Lange, Dilan Mahendran, Katynka Z. Martínez, C. J. Pascoe, Dan Perkel, Laura Robinson, Christo Sims, and Lisa Tripp

with contributions by Judd Antin, Megan Finn, Arthur Law, Annie Manion, Sarai Mitnick, David Schlossberg, and Sarita Yardi

Conventional wisdom about young people's use of digital technology often equates generational identity with technology identity: today's teens seem constantly plugged in to video games, social networking sites, and text messaging. Yet there is little actual research that investigates the intricate dynamics of youths' social and recreational use of digital media. *Hanging Out, Messing Around, and Geeking Out* fills this gap, reporting on an ambitious three-year ethnographic investigation into how young people are living and learning with new media in varied settings—at home, in after-school programs, and in online spaces.

Integrating twenty-three case studies—which include Harry Potter podcasting, video-game playing, music sharing, and online romantic breakups—in a unique collaborative authorship style, *Hanging Out, Messing Around, and Geeking Out* is distinctive for its combination of in-depth description of specific group dynamics with conceptual analysis.

This book was written as a collaborative effort by members of the Digital Youth Project, a three-year research effort funded by the John D. and Catherine T. MacArthur Foundation and conducted at the University of California, Berkeley, and the University of Southern California.

"Every parent, teacher, and librarian should read this book cover to cover."

—**John Palfrey, Codirector of the Berkman Center for Internet and Society, Harvard University, and author of *Born Digital***

"This is a beautifully written and extraordinarily rich account of perhaps the most important challenge cyberspace gives us: understanding how it is changing our kids, and how it might change our understanding of literacy."

—**Lawrence Lessig, Center for Internet and Society, Stanford University, author of *The Future of Ideas* and *Remix***

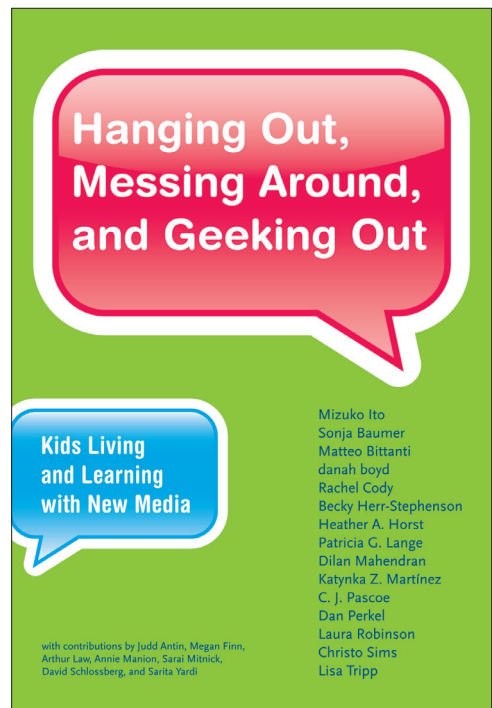
An examination of young people's everyday new media practices—including video-game playing, text-messaging, digital media production, and social media use.

March
6 x 9, 440 pp.
13 illus.

\$19.00S/£13.95 paper
978-0-262-51854-3

cloth 2009
978-0-262-01336-9

The John D. and Catherine T. MacArthur Foundation Series on Digital Media and Learning



economics/business

The Comingled Code

Open Source Software
and Economic Development

Josh Lerner and Mark Schankerman

Discussions of the economic impact of open source software often generate more heat than light. Missing from the debate is rigorous economic analysis and systematic economic evidence of the impact of open source on consumers, firms, and economic development in general. This book fills that gap. In *The Comingled Code*, Josh Lerner and Mark Schankerman, drawing on a new, large-scale database, show that open source and proprietary software interact

in sometimes unexpected ways, and discuss the policy implications of these findings.

Lerner and Schankerman examine the ways in which software differs from other technologies in promoting economic development, what motivates individuals and firms to contribute to open source projects, how developers and users view the trade-offs between the two kinds of software, and how government policies can ensure that open source competes effectively with proprietary software and contributes to economic development.

Josh Lerner is Jacob H. Schiff Professor of Investment Banking at Harvard Business School, with a joint appointment in the Finance and Entrepreneurial Units. He is the author of *The Boulevard of Broken Dreams: Why Public Efforts to Boost Entrepreneurship and Venture Capital Have Failed and What to Do About It*. **Mark Schankerman** is Professor of Economics and Research Associate at the Centre for Economic Performance at the London School of Economics and Research Fellow at the Centre for Economic Policy Research in London.

"*The Comingled Code* is full of insights."
—*The Economist*

March — 6 x 9, 250 pp. — 17 illus.

\$19.00S/£13.95 paper
978-0-262-51856-7

cloth 2010
978-0-262-01463-2

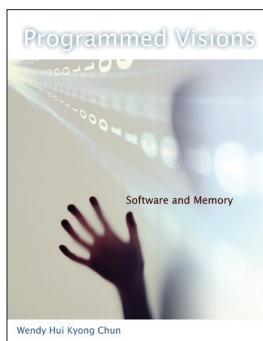
digital humanities/software studies

Programmed Visions

Software and Memory

Wendy Hui Kyong Chun

New media thrives on cycles of obsolescence and renewal: from celebrations of cyber-everything to Y2K,



from the dot-com bust to the next big things—mobile mobs, Web 3.0, cloud computing. In *Programmed Visions*, Wendy Hui Kyong Chun argues that these cycles result in part from the ways in which new media encapsulates a logic of programmability. New media proliferates “programmed visions,” which seek to shape and

predict—even embody—a future based on past data. These programmed visions have also made computers, based on metaphor, metaphors for metaphor itself, for a general logic of substitutability.

Chun argues that the clarity offered by software as metaphor should make us pause, because software also engenders a profound sense of ignorance: who knows what lurks behind our smiling interfaces, behind the objects we click and manipulate? The combination of what can be seen and not seen, known (knowable) and not known—its separation of interface from algorithm and software from hardware—makes it a powerful metaphor for everything we believe is invisible yet generates visible, logical effects, from genetics to the invisible hand of the market, from ideology to culture.

Wendy Hui Kyong Chun, who has studied both systems design and English literature, is Professor of Modern Culture and Media at Brown University. She is the author of *Control and Freedom: Power and Paranoia in the Age of Fiber Optics* (MIT Press, 2006, 2008).

"This dense work ranges wide and establishes many new connections between disciplines, though interestingly, its closest company is probably Neal Stephenson's *Snow Crash*. . . . Highly recommended!"

—P. L. Cantor, *Choice*

March — 7 x 9, 256 pp. — 27 illus.

\$20.00S/£13.95 paper
978-0-262-51851-2

cloth 2011
978-0-262-01542-4

Software Studies series

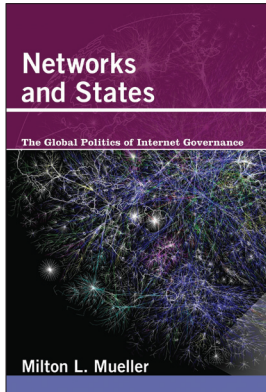
political science/Internet studies

Networks and States

The Global Politics of Internet Governance

Milton L. Mueller

When the prevailing system of governing divides the planet into mutually exclusive territorial monopolies of



force, what institutions can govern the Internet, with its transnational scope, boundless scale, and distributed control? Given filtering/censorship by states and concerns over national cybersecurity, it is often assumed that the Internet will inevitably be subordinated to the traditional system of nation-states. In *Networks and States*, Milton Mueller counters

this, showing how Internet governance poses novel and fascinating governance issues that give rise to a global politics and new transnational institutions. Drawing on theories of networked governance, Mueller provides a broad overview of Internet governance from the formation of ICANN to the clash at the World Summit on the Information Society (WSIS), the formation of the Internet Governance Forum, the global assault on peer-to-peer file sharing, and the rise of national-level Internet control and security concerns.

Internet governance has become a source of conflict in international relations. *Networks and States* explores the important role that emerging transnational institutions could play in fostering global governance of communication-information policy.

Milton L. Mueller is Professor at Syracuse University's School of Information Studies. He is the author of *Ruling the Root: Internet Governance and the Taming of Cyberspace* (MIT Press) and other books.

"*Networks and States* is an informative and enlightening read, particularly when coupled with Mueller's idealized visions for a future of effective Internet governance."

—Laura A. Granka, *The Review of Politics*

March — 6 x 9, 320 pp. — 7 illus.

\$20.00S/£13.95 paper
978-0-262-51857-4

cloth 2010
978-0-262-01459-5

Information Revolution and Global Politics series

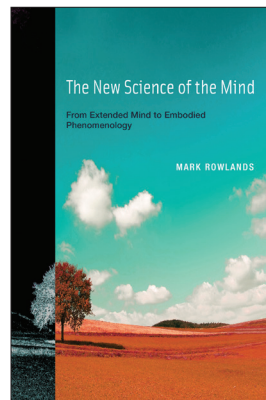
philosophy of mind/cognitive science

The New Science of the Mind

From Extended Mind to Embodied Phenomenology

Mark Rowlands

There is a new way of thinking about the mind that does not locate mental processes exclusively "in the



head." Some think that this expanded conception of the mind will be the basis of a new science of the mind. In this book, leading philosopher Mark Rowlands investigates the conceptual foundations of this new science of the mind.

The new way of thinking about the mind emphasizes the ways in which mental processes are embodied (made up partly of extraneural bodily structures and processes), embedded (designed to function in tandem with the environment), enacted (constituted in part by action), and extended (located in the environment).

The new way of thinking about the mind, Rowlands writes, is actually an old way of thinking that has taken on new form. Rowlands describes a conception of mind that had its clearest expression in phenomenology—in the work of Husserl, Heidegger, Sartre, and Merleau-Ponty. He builds on these views, clarifies and renders consistent the ideas of embodied, embedded, enacted, and extended mind, and develops a unified philosophical treatment of the novel conception of the mind that underlies the new science of the mind.

Mark Rowlands is Professor of Philosophy at the University of Miami. He is the author of *The Body in Mind: Understanding Cognitive Processes*, *Body Language: Representation in Action* (MIT Press), *The Philosopher and the Wolf*, and other books.

"Brings a new level of precision to the case for the extended mind."

—John Sutton, Macquarie Centre for Cognitive Science, Macquarie University

March — 6 x 9, 264 pp.

\$20.00S/£13.95 paper
978-0-262-51858-1

cloth 2010
978-0-262-01455-7

arts and humanities



The Baffler
John Summers, editor

Baffling the consensus since 1988, the magazine abrasively ridicules respectable business leaders, laughs at popular consumer brands as souvenirs of the cultural industry, and debunks the ideology of free-market nincompoops.

Triannual, ISSN 1059-9789
March/July/November

160 pp. per issue — 7 x 10, illustrated
<http://mitpressjournals.org/baffler>

IJLM: International Journal of Learning and Media

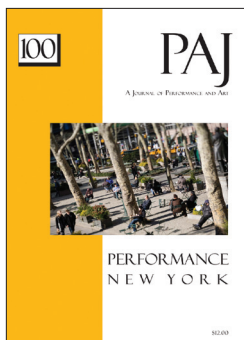
Tara McPherson and Holly Willis, editors

IJLM

The International Journal of Learning and Media (IJLM) is a groundbreaking online-only journal that provides an international forum for scholars, researchers and

practitioners to explore the relationship between emerging forms of media and learning, in a variety of forms and settings. *IJLM* offers scholarly articles, editorials, case studies, and an active online network. Published in partnership with the Monterey Institute for Technology in Education and with support from the MacArthur Foundation.

Quarterly, ISSN 1943-6068 • Winter/Spring/Summer/Fall
Online only
<http://www.ijlm.net>
<http://mitpressjournals.org/ijlm>



PAJ: A Journal of Performance and Art

Bonnie Marranca, editor

PAJ is admired internationally for its independent critical thought and cutting-edge explorations of performance, video, drama, dance, installations, media,

film, and music. Known for integrating theatre and the visual arts, *PAJ* celebrated 100 issues in January with the specially-themed issue “Performance New York.”

Triannual, ISSN 1520-281X • January/May/September
128 pp. per issue — 7 x 10, illustrated
<http://mitpressjournals.org/paj>

arts and humanities



ARTMargins
Sven Spieker, editor

ARTMargins is a new journal devoted to art practice in a global context. Within the fabric of a present moment characterized by different, and often incompatible, temporalities and agendas, the journal locates transnational commonalities and trajectories that connect, or divide, different regions of the world.

Triannual, ISSN 2162-2574 • February/June/October
128 pp. per issue — 6 x 9, illustrated
<http://mitpressjournals.org/artmargins>

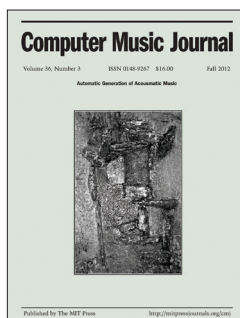


October
Rosalind Krauss,
Annette Michelson,
George Baker,
Yve-Alain Bois,
Benjamin H. D. Buchloh,
Leah Dickerman,
Devin Fore, Hal Foster,
Denis Hollier,
David Joselit,
Carrie Lambert-Beatty,

Mignon Nixon, and Malcolm Turvey, editors

Original, innovative, and provocative, *October* presents the best and most current criticism about the contemporary arts, including film, painting, sculpture, photography, performance, music, and literature.

Quarterly, ISSN 0162-2870 • Winter/Spring/Summer/Fall
160 pp. per issue — 7 x 9, illustrated
<http://mitpressjournals.org/october>

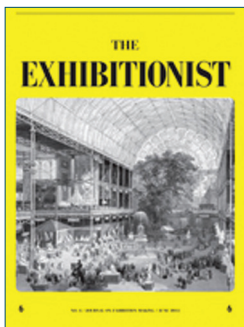


Computer Music Journal
Douglas Keislar, editor

For computer enthusiasts, musicians, composers, scientists, and engineers, this is the essential resource for contemporary electronic music and computer-generated sound. An annual music disc accompanies the last issue of each volume.

Quarterly, ISSN 0148-9267 • Spring/Summer/Fall/Winter
128 pp. per issue — 8 1/2 x 11, illustrated
<http://mitpressjournals.org/cmj>

arts and humanities



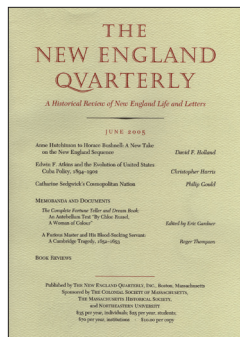
The Exhibitionist
Jens Hoffmann, editor

The Exhibitionist is a journal focusing solely on the practice of exhibition making. The objective is to create a wider platform for the discussion of curatorial concerns, encourage a diversification of curatorial models, and actively contribute to the formation of a theory of curating. The

MIT Press now manages trade sales in the U.S. for this title.

Biannual, ISSN 2038-0984 • January/June
72 pp. per issue — 7 1/4 x 9 1/4, illustrated
<http://mitpressjournals.org/exhb>

arts and humanities

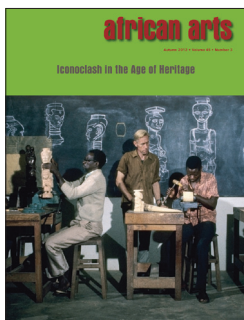


The New England Quarterly
Linda Smith Rhoads, editor

For more than 80 years, *The New England Quarterly* has published the best that has been written on New England's cultural, political, and social history. Contributions cover a range of time periods, from

before European colonization to the present, and any subject germane to New England's history.

Quarterly, ISSN 0028-4866 • March/June/September/December
192 pp. per issue — 6 x 9
<http://mitpressjournals.org/neq>



African Arts
Marla C. Berns, Steven Nelson, Allen F. Roberts, Mary Nooter Roberts, Gemma Rodrigues, and Doran H. Ross, editors

African Arts is devoted to the study and discussion of traditional, contemporary, and popular African arts

and expressive cultures. Since 1967, readers have enjoyed high-quality visual depictions, cutting-edge explorations of theory and practice, and critical dialogue.

Quarterly, ISSN 0001-9933 • Spring/Summer/Fall/Winter
88-100 pp. per issue — 8 1/2 x 11, illustrated
<http://mitpressjournals.org/aa>
Published quarterly by the James S. Coleman African Studies Center and distributed by the MIT Press

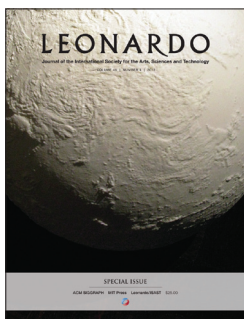


Dædalus
Phyllis Bendell, managing editor

Founded in 1955 as the *Journal of the American Academy of Arts and Sciences*, *Dædalus* draws on the enormous intellectual capacity of the American Academy, whose fellows are among the nation's most prominent thinkers in the arts, sciences, and humanities. Each issue addresses a

theme with authoritative essays on topics of current interest in the arts and sciences.

Quarterly, ISSN 0011-5266 • Winter/Spring/Summer/Fall
144 pp. per issue — 7 x 10
<http://mitpressjournals.org/daedalus>



Leonardo/Leonardo Music Journal
Roger F. Malina, executive editor
Nicolas Collins, editor-in-chief

Leonardo is the leading international journal in the application of contemporary science

and technology to the arts and music. The companion annual journal, *Leonardo Music Journal* (including CD), features the latest in music, multimedia art, sound science, and technology.

Six issues per year, ISSN 0024-094X
February/April/June/August/October/December
112 pp. per issue — 8 1/2 x 11, illustrated
<http://mitpressjournals.org/leon>



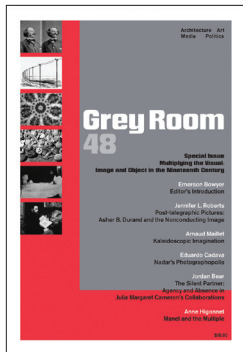
Design Issues
Bruce Brown, Richard Buchanan, Carl DiSalvo, Dennis P. Doordan, and Victor Margolin, editors

The first American academic journal to examine design history, theory, and criticism, *Design Issues* provokes inquiry into the cultural and intellectual issues surrounding design.

Special guest-edited issues concentrate on particular themes, such as science and technology studies, design research, and design criticism.

Quarterly, ISSN 0747-9360 • Winter/Spring/Summer/Autumn
112 pp. per issue — 7 x 10, illustrated
<http://mitpressjournals.org/di>

arts and humanities



Grey Room
 Karen Beckman,
 Branden W. Joseph,
 Reinhold Martin,
 Tom McDonough,
 and Felicity D. Scott,
 editors

Grey Room brings together scholarly and theoretical articles from the fields of architecture, art, media, and politics to forge a cross-

disciplinary discourse uniquely relevant to contemporary concerns. Publishing some of the most interesting and original work within these disciplines, *Grey Room* has positioned itself at the forefront of the most current aesthetic and critical debates.

Quarterly, ISSN 1526-3819 • Fall/Winter/Spring/Summer
 128 pp. per issue — 6 3/4 x 9 5/8, illustrated
<http://mitpressjournals.org/grey>

economics



Asian Economic Papers
 Jeffrey D. Sachs,
 Bokyeong Park,
 Wing Thye Woo,
 and Naoyuki Yoshino,
 editors

AEP comprises selected articles and summaries of discussions from the meet-

ings of the Asian Economic Panel. Articles focus on high quality, objective analysis of key economic issues of a particular Asian economy or of the broader Asian region, and offer creative solutions.

Triannual, ISSN 1535-3516 • Winter–Spring/Summer/Fall
 192 pp. per issue — 6 x 9
<http://mitpressjournals.org/aep>

political science/international affairs



Global Environmental Politics
 Stacy F. VanDeveer
 and Kate O'Neill

Global Environmental Politics examines the relationship between global political forces and environmental change, with particular attention given to the implications of local-global interactions for

environmental management.

Quarterly, ISSN 1526-3800 • February/May/August/November
 164 pp. per issue — 6 x 9
<http://mitpressjournals.org/gep>

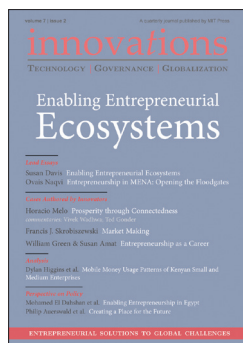


International Security
 Steven E. Miller,
 editor-in-chief
 Sean M. Lynn-Jones
 and Owen R. Coté Jr.,
 editors

International Security publishes lucid, well-documented essays on the full range of contemporary security issues, including the growing

importance of environmental, demographic, and humanitarian issues, and the rise of global terrorist networks.

Quarterly, ISSN 0162-2889 • Summer/Fall/Winter/Spring
 208 pp. per issue — 6 3/4 x 10
<http://mitpressjournals.org/is>



Innovations: Technology/Governance/Globalization
 Philip E. Auerswald and
 Iqbal Z. Quadir, editors

Innovations addresses the creative actions of social entrepreneurs, inventors, public leaders, and others

who use technology not only to change relationships but also to transform governance. The journal is jointly hosted at George Mason University's School of Public Policy, the Harvard Kennedy School, and MIT's Legatum Center for Development and Entrepreneurship.

Quarterly, ISSN 1558-2477 • Winter/Spring/Summer/Fall
 152 pp. per issue — 7 x 10
<http://mitpressjournals.org/itgg>



COGNET.MIT.EDU

The New Online Location for the Brain and Cognitive Sciences

CONTENT, COMMUNITY, AND COLLABORATION

MIT CogNet is the online location for content, community, and collaboration for the Brain and Cognitive Sciences. After its launch in 2000, it quickly became an essential resource for those engaged in highly-cited, cutting-edge primary research in the cognitive sciences. Now with the new MIT CogNet, researchers and students can extend their access to critical research and share ongoing work with others in the field.

A completely new research platform that builds on current strengths, the new MIT CogNet offers all the current content from CogNet, important news and event listings, and new and improved ways to connect with others in the Brain and Cognitive Sciences community. Subscribers can access resources from core fields of study, including artificial intelligence, linguistics, neuroscience, psychology, philosophy, and education; consult a fast-growing collection of books and journals, with unlimited access to reference works published by the MIT Press; find news, events listings, and career tools; and post drafts of papers for comments from peers.

Backed by the peerless MarkLogic Server for XML content storage, retrieval, and search, and coupled with the open-source strengths of Drupal for the optimal Web 2.0 experience, MIT CogNet offers an unrivalled resource for scholarly research.

REFERENCE WORKS

The new MIT CogNet offers the complete text of all major cognitive science reference works published by the MIT Press, including several foundational works in the field: *The Cognitive Neurosciences*, 4th Edition (Gazzaniga); *The MIT Encyclopedia of the Cognitive Sciences* (Wilson, Keil); and *The Visual Neurosciences* (Chalupa, Werner). MIT CogNet will also offer previous editions of reference works, many of which contain unique material.

BOOKS

MIT CogNet also offers the full text of more than 550 books published by the MIT Press with additional new titles added each season. Included are such influential works as *Language, Thought, and Reality* (Whorf, Carroll); *Thought and Language*, Revised Edition (Vygotsky, Kozulin); *Parallel Distributed Processing*, 2 Volume Set (Rumelhart, McClelland, PDP Research Group); *Inside Jokes* (Hurley, Dennett, Adams); *The Bodhisattva's Brain* (Flanagan); and *Plato's Camera* (Churchland).

JOURNALS

MIT CogNet provides access to the full text of six MIT Press journals, including *Artificial Life*, *Evolutionary Computation*, *Computational Linguistics*, *Journal of Cognitive Neuroscience*, *Linguistic Inquiry*, and *Neural Computation*. These journals form the core of the MIT Press journals science publishing program, and their impact factors for 2011 put them near the top of their respective fields.

Introducing our new, radically redesigned Web site! This new site allows us to interact with readers in a more meaningful way, with social media integration, a new user registration and profile system, enhanced e-commerce, and improved search functionality.

INTRODUCING
our new, radically
REDESIGNED
Web site



- Join more than 18,000 of our closest friends! Be part of our Facebook community at <http://www.facebook.com/mitpress>.
- Follow us on Twitter: join more than 24,000 others who want to learn more about our authors, our books, and other interesting matters, all in 140 characters or less.
- Hear directly from our authors through our Author Podcasts.
- Read our Press blog or sign up to receive e-mail alerts or RSS feeds to get news about MIT Press books.
- Visit the MIT Press e-books store, where you can browse and purchase full-text, online access to recent MIT Press titles. The e-books sold on this site are fully searchable and can be stored on your personal digital bookshelf.

NORTH AMERICAN BOOKSELLERS**Orders should be sent to:**

The MIT Press
c/o TriLiteral LLC
100 Maple Ridge Drive
Cumberland, RI 02864-1769
USA

For Orders and Customer Service:

Tel: 800 405 1619 • Fax: 800 406 9145

E-mail Orders:

orders@triliteral.org

E-mail Customer Service:

customer.care@triliteral.org

Online:

<http://mitpress.mit.edu>

For inquiries regarding sales representation in the United States and Canada, contact:

Anne Bunn
Director of Sales
The MIT Press
55 Hayward Street
Cambridge, MA 02142-1315
USA

Tel: 617 253 8838 • Fax: 617 253 1709
e-mail: sales@mitpress.mit.edu

For inquiries regarding bulk purchases in the United States, contact:

Erika Valenti
Sales Manager
Tel: 617 258 0582 • Fax: 617 253 1709
e-mail: special_sales@mitpress.mit.edu

Return Policy:

The return policy of our distribution center is: returned books must be in resalable condition. No permission is required, but invoice information must be provided or a penalty discount will be used. No returns accepted 18 months from invoice date.

US booksellers may send returns to:

MIT Press Returns
c/o TriLiteral LLC
100 Maple Ridge Drive
Cumberland, RI 02864-1769
USA

Canadian booksellers may send returns to:

Triliteral c/o APC
1351 Rodick Road
Markham, ON L3R 5K4
Canada

Individuals:

Books from the MIT Press are available at fine booksellers worldwide. Individuals who wish to order directly from the publisher may do so through our Web site or by calling our toll-free number.

The MIT Press Guarantee:

If for any reason you are not satisfied with a book you receive, return it to us within 10 days and we will promptly refund your payment.

Examination copies are available at the discretion of the MIT Press to qualified instructors of appropriate courses.

Please address inquiries to:

Michelle Pullano
Textbook Manager
Tel: 617 253 3620 • Fax: 617 253 1709
e-mail: textbooks@mail-mitpress.mit.edu

Review Copy Requests:

Please submit review copy requests on the letterhead of the publication to the Publicity Department.

Fax: 617 253 1709
e-mail: publicity@mitpress.mit.edu

Subsidiary and International Rights:

For information on subsidiary and international rights, please contact:

The MIT Press Rights Department
55 Hayward Street
Cambridge, MA 02142-1315
USA
Tel: 617 253 0629 • Fax: 617 253 1709
e-mail: csan@mit.edu

Publication Dates:

Books will be shipped 2 to 4 weeks prior to publication date listed in catalog.

e-books:

The MIT Press offers e-books in a variety of formats and with a variety of vendors. To find out about the availability of a particular title, please visit our Web site at mitpress-ebooks.mit.edu or visit your preferred e-book content provider. Titles are regularly added to our e-book programs, so if a title is not currently available, please check back at a later date.

Discount Codes:

T: Trade Discount
S: Short Discount
X: Text Discount

Prices are subject to change without notice. Contact the sales department at the MIT Press for discount schedules. The MIT Press Agency Plan offers special discounts to booksellers who stock scholarly and professional books. For details, contact the Director of Sales, Tel: 617 253 8838, Fax: 617 253 1709, e-mail: sales@mitpress.mit.edu

INTERNATIONAL SALES AND PROMOTION

U.S. Office: Asia, Australia, New Zealand, Central America, Mexico, South America

Address for information:

Erika Valenti
The MIT Press International Sales
55 Hayward Street, Cambridge, MA 02142-1315
USA
Tel: 617 258 0582
Fax: 617 253 1709
e-mail: erikav@mit.edu

Address for orders:

The MIT Press
c/o Trilateral LLC
100 Maple Ridge Drive
Cumberland, RI 02864-1769 USA
Tel: 401 531 2800
Fax: 401 531 2802
e-mail: orders@trilateral.org

European Sales Office: United Kingdom, Continental Europe, Eire, India, Pakistan, the Middle East, Israel, Africa

Andrew Brewer, Managing Director
University Press Group
57 Cobnar Road, Sheffield, S8 8QA,
United Kingdom
Tel: 44 0 114 274 0129
Mobile: 44 0 7967 031856
e-mail: andrew.brewer@virgin.net

Address for information:

Lois Edwards, Business Manager
University Press Group
LEC1 New Era Estate
Oldlands Way, Bognor Regis
West Sussex, PO22 9NQ, United Kingdom
Tel: 44 0 1243 842165
Fax: 44 0 1243 842167
e-mail: lois@upguk.com

Address for orders:

John Wiley & Sons, Ltd.
European Distribution Centre
New Era Estate
Oldlands Way, Bognor Regis
West Sussex, PO22 9NQ, United Kingdom

Overseas orders:

Tel: 44 1243 843294

Dial-free orders in UK only:

Tel: 0800 243407
Fax: 44 0 1243 843296

E-mail Customer Service:

customer@wiley.com

European Marketing Office:

For publicity and promotion inquiries contact:

The MIT Press
Suite 2, 1 Duchess Street, London, W1W 6AN,
United Kingdom
Tel: 44 0 207 306 0603
e-mail: info@mitpress.org.uk

REPRESENTATION AND DISTRIBUTION

Africa: Cameroon, Ethiopia, Gambia, Ghana, Kenya, Malawi, Mauritius, Nigeria, Rwanda, Tanzania, Uganda, Zambia: Representation

Tony Moggach (IMA)
14 York Rise
London NW5 1ST
United Kingdom
Tel: 44 0 207 267 8054
Fax: 44 0 207 485 8462
e-mail: tony.moggach@moggach.demon.co.uk

Australia, New Zealand: Representation and Distribution

Footprint Books Pty. Ltd.
1/6a Prosperity Parade
Warriewood NSW 2102
Australia
Tel: 61 02 9997 3973
Fax: 61 02 9997 3185
e-mail: info@footprint.com.au
www.footprint.com.au

Brazil: Representation

Ethan Atkin
7 Clarendon Ave., Suite 2
Montpelier VT 05602 USA
Tel: 802 223 6565
e-mail: eatkin@cranburyinternational.com

Canada, British Columbia only: Representation

Patricia Nelson
3 Cagua Road
Santa Fe, NM 87508 USA
Tel: 505 466 1327
Fax: 505 466 1044
e-mail: pnelsonrep@gmail.com

Canada, excluding British Columbia: Representation

John Eklund
2527 E. Menlo Blvd.
Milwaukee, WI 53211 USA
Tel: 414 312 2160
Fax: 414 963 4379
e-mail: jeklundrep@gmail.com

Caribbean: Representation

John Atkin
Cranbury International, LLC
25 Perry Ave., Norwalk, CT 06850 USA
Tel: 203 451 2396
e-mail: jatkin@silvermineinternational.com

Publication in the United Kingdom, Continental Europe, Eire, India, Pakistan, the Middle East, Israel, and Africa will be approximately one month later than the date given for each title in the catalog. Prices are subject to change without notice.

**Central America, Northern South America:
Representation**

Jose Rios
Avenida Mariscal 13-15, zona 11, Guatemala City
Guatemala
Tel: 502 53880461
e-mail: joserios@sover.net

China: Representation

Wei Zhao
Everest International Publishing Services
2-1-503 UHN Intl, 2 Xi Ba He Dong Li
Beijing 100028
China
Tel: 8610 5130 1051
Fax: 8610 5130 1052
Mobile: 86 13683018054
e-mail: wzbooks@aol.com, wzbooks@163.com

**Europe: Netherlands, Germany, Austria, Spain,
Portugal, Greece, Hungary, Czech Republic, Croatia,
Slovenia: Representation**

Dominique Bartshukoff
University Press Group
2 Place d'Anvers
Paris, 75009, France
Tel/Fax: 33 1 44 63 02 41
Mobile: 33 6 63 26 37 47
e-mail: dsbartshukoff@wanadoo.fr

**Europe: France, Belgium, Scandinavia, Switzerland,
Italy, Poland: Representation**

Peter Jacques
University Press Group
278 Manchester Road, Isle of Dogs
London, E14 3HW
United Kingdom
Tel: 44 0 207 515 1011
e-mail: peter@jjacques.demon.co.uk

Europe: UK and Eire: Sales Manager

Ben Mitchell
University Press Group
62 Fairford House, Kennington Lane
London, SE11 4HR
United Kingdom
Tel: 44 0 207 735 7455
Mobile: 44 0 7766 913593
e-mail: ben.mitchell.upg@gmail.com

Hong Kong: Representation

Jane Lam and Nick Woon
Aromix Books Company Ltd.
Unit 7, 8/F, Block B, Hoi Luen Industrial Centre,
55, Hoi Yuen Road, Kwun Tong
Hong Kong
Tel: 852 2749 1288
Fax: 852 2749 0068
e-mail: jane@aromix.ath.cx, nick@aromix.ath.cx

India, Bangladesh, Sri Lanka: Representation

S. Janakiraman
Book Marketing Services
2-A, Ramaniyam Building, 216-217, Peters Road
Royapettah, Chennai 600 014
India
Tel: 91 44 2848 0220
Fax: 91 44 2848 0222
e-mail: bkmktg@dataone.in
www.bookmarketing.org

Israel: Representation

Rodney Franklin Agency
P.O. Box 37727, Tel Aviv 61376
Israel
Tel: 972 03 5600724
Fax: 972 03 5600479
e-mail: rodneyf@netvision.net.il

Japan: Representation

Akiko Iwamoto and Gilles Fauveau
Rockbook Inc.
2-3-25, 9F1, Kudanminami, Chiyoda-ku
Tokyo 102-00744
Japan
Tel: 81 3 3264 0144
Fax: 81 3 3264 0440
e-mail: aiwamoto@rockbook.net
gfauveau@rockbook.net

Mexico: Representation

Cynthia Zimpfer
Zimpfer Books Latin America
19 Winthrop Place
Maplewood NJ 07040
Tel/Fax 862 250 0159
email: zbookslat@earthlink.net

**Middle East: Algeria, Cyprus, Jordan, Libya, Malta,
Morocco, Palestine, Tunisia, Turkey: Representation**

Claire de Gruchy, Avicenna Partnership Ltd.
P.O. Box 484, Oxford OX2 9WQ
United Kingdom
Tel: 44 0 7771 887843
Fax: 44 0 1865 882966
e-mail: claire_degruchy@yahoo.co.uk

**Middle East: Bahrain, Egypt, Iran, Iraq, Kuwait,
Lebanon, Qatar, Sultanate of Oman, Saudi Arabia,
Sudan, Syria, UAE, Yemen: Representation**

Bill Kennedy, Avicenna Partnership Ltd.
P.O. Box 484, Oxford OX2 9WQ
United Kingdom
Tel: 44 0 7802 244 457
Fax: 44 1387 247375
e-mail: bill.kennedy@btinternet.com

Pakistan: Representation

Saleem Malik, World Press
27/A Al-Firdous Ave., Faiz Road Muslim Town
Lahore 54600
Pakistan
Tel: 042 3588 1617
Mobile: 0300 401 2652
e-mail: worldpress@gmail.com

**Puerto Rico, Dominican Republic, Argentina, Chile,
Uruguay: Representation**

David Rivera
Cranbury International, LLC
MSC 609 Avenida de Diego #89, Suite 105
San Juan, PR 00927-5831
Tel: 787 287 2029
Fax: 787 764 3817
e-mail: rivera@cranburyinternational.com

South Africa: Representation

Cory Voigt, Palgrave
Private Bag X19
Northlands (Johannesburg) 2116, South Africa
Tel: 27 11 731 3300
Fax: 27 11 731 3569
e-mail: palgrave@macmillan.co.za

South Korea: Representation

Se-Yung Jun and Min-Hwa Yoo
ICK (Information and Culture Korea)
473-19 Seokyo-dong, Mapo-ku
Mapo-ku, Seoul
South Korea 121-842
Tel: 82 2 3141 4791
Fax: 82 2 3141 7733
e-mail: cs.ick@ick.co.kr

Taiwan: Representation

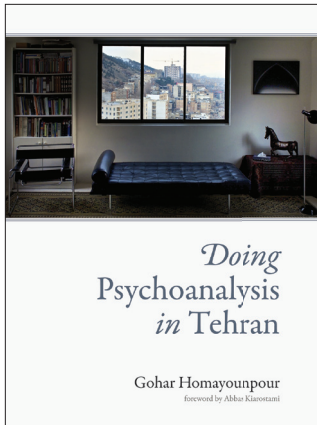
Chiafeng Peng
BK Norton
5F, 60, Roosevelt Rd. Sec. 4
Taipei 100 Taiwan
Tel: 886 2 6632 0088
Fax: 886 2 6632 9772
e-mail: chiafeng@bookman.com.tw

Trinidad: Representation

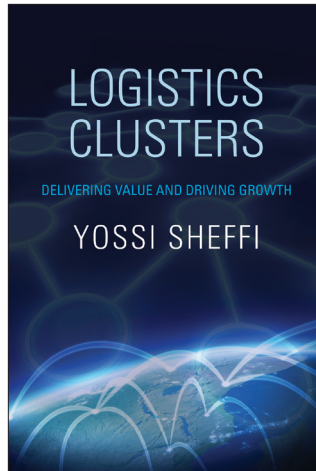
Patrice Ammon-Jagdeo
Cranbury International, LLC
Petit Valley, Trinidad, West Indies
Tel: 868 637 9483
e-mail: pammon@cranburyinternational.com

- Abelard to Apple, **DeMillo** 73
 Abstraction, **Lind** 26
 Action Science, **Prinz** 53
Adger, A Syntax of Substance 50
 Adhocism, expanded and updated edition, **Jencks** 7
 Aesthesia of Networks, **Munster** 65
 Aesthetics of Imagination in Design, **Folkmann** 63
 Algorithms Unlocked, **Cormen** 47
Alliez, Spheres of Action 23
Allison, Lee Kuan Yew 3
 Ambient Commons, **McCullough** 14
 America's Assembly Line, **Nye** 5
Arapostathis, Patently Contestable 69
Arbib, Language, Music, and the Brain 55
 Architecture Depends, **Till** 76
 Art of Failure, **Juul** 16
 Art Power, **Groys** 76
Azoulay, The Civil Contract of Photography 31
 Banking on Democracy, **Santiso** 41
Barkin, Saving Global Fisheries 36
Belting, The Global Contemporary and the Rise of New Art Worlds 8
 Better Doctors, Better Patients, Better Decisions, **Gigerenzer** 83
 Birdsong, Speech, and Language, **Bolhuis** 51
 Black Mountain College, **Katz** 24
Blank, Intervention in the Brain 39
Blum, Laws, Outlaws, and Terrorists 80
Bogdan, Mindvaults 57
Bolhuis, Birdsong, Speech, and Language 51
Bouchard, From Groups to Individuals 59
Brabham, Crowdsourcing 17
Brouws, VARIOUS SMALL BOOKS Referencing Various Small Books by Ed Ruscha 1
Brown, Regulating Code 70
Brunton, Spam 11
Brynjolfsson, Wired for Innovation 75
Buchmann, Hélio Oiticica and Neville D'Almeida 28
Campbell, Historical Linguistics, third edition 49
 Central Bank Communication, Decision Making, and Governance, **Siklos** 42
 Changing Lanes, **DiMento** 38
 Chronicles from the Field, **Townsend** 43
Chun, Programmed Visions 86
 Civil Contract of Photography, **Azoulay** 31
 Close Up at a Distance, **Kurgan** 30
Collins, Playing with Sound 66
 Comingled Code, **Lerner** 86
 Communicating Moral Concern, **Springer** 59
 Computability, **Copeland** 48
 Contagious Architecture, **Parisi** 63
 Contested Water, **Robinson** 39
 Cooperation and Its Evolution, **Sterelny** 60
Copeland, Computability 48
Cormen, Algorithms Unlocked 47
 Cosmopolitan Commons, **Disco** 67
Costikyan, Uncertainty in Games 15
 Critical Issues in Taxation and Development, **Fuest** 42
 Critical Play, **Flanagan** 81
 Crowdsourcing, **Brabham** 17
Danner, Torture and the Forever War 19
Dauvergne, Eco-Business 6
DeMillo, Abelard to Apple 73
 Digital Methods, **Rogers** 68
DiMento, Changing Lanes 38
 Discipline of Organizing, **Glushko** 71
Disco, Cosmopolitan Commons 67
 Documentary, **Stallabrass** 27
Dworkin, No Medium 21
 Eco-Business, **Dauvergne** 6
Edwards, A Vast Machine 82
 End of Energy, **Graetz** 80
 Environmental Advantages of Cities, **Meyer** 37
 Explaining the Computational Mind, **Milkowski** 56
 Factories of Knowledge, Industries of Creativity, **Raunig** 33
Fields, Genetic Twists of Fate 75
Flanagan, Critical Play 81
Folkmann, The Aesthetics of Imagination in Design 63
 Food Justice, **Gottlieb** 73
 Fourth Dimension and Non-Euclidean Geometry in Modern Art, revised edition, **Henderson** 61
Franinović, Sonic Interaction Design 64
 From Groups to Individuals, **Bouchard** 59
Fuest, Critical Issues in Taxation and Development 42
 Genetic Twists of Fate, **Fields** 75
Gigerenzer, Better Doctors, Better Patients, Better Decisions 83
Gitelman, "Raw Data" Is an Oxymoron 67
 Giving Kids a Fair Chance, **Heckman** 18
 Global Contemporary and the Rise of New Art Worlds, **Belting** 8
Glushko, The Discipline of Organizing 71
Gonzalez Peña, The Sad Passions 34
Gottlieb, Food Justice 73
Graetz, The End of Energy 80
 Greening Berlin, **Lachmund** 69
Groys, Art Power 76
Haffner, The View from Above 70
Hand, an Organ of the Mind, Radman 53
 Handbook of California Design, 1930-1965, **Tigerman** 10
 Hanging Out, Messing Around, and Geeking Out, **Ito** 85
Hanks, Lexical Analysis 50
 Harvesting the Biosphere, **Smil** 35
Hashimzade, Solutions Manual to Accompany Intermediate Public Economics, second edition 44
Heckman, Giving Kids a Fair Chance 18
 Hélio Oiticica and Neville D'Almeida, **Buchmann** 28
Henderson, The Fourth Dimension and Non-Euclidean Geometry in Modern Art, revised edition 61
Hindriks, Intermediate Public Economics, second edition 44
 Historical Linguistics, third edition, **Campbell** 49
Holmström, Inside and Outside Liquidity 84
 Hub's Metropolis, **O'Connell** 12
Huff, Leading Open Innovation 45
Huhtamo, Illusions in Motion 62
Hurley, Inside Jokes 77
Hutto, Radicalizing Enactivism 58
 Illusions in Motion, **Huhtamo** 62
 Indra's Net and the Midas Touch, **Thiele** 79
 Inside and Outside Liquidity, **Holmström** 84
 Inside Jokes, **Hurley** 77
 Intermediate Public Economics, second edition, **Hindriks** 44
 Intervention in the Brain, **Blank** 39
Ito, Hanging Out, Messing Around, and Geeking Out 85
Jencks, Adhocism, expanded and updated edition 7
Juul, The Art of Failure 16
Kahn, The Rediscovery of the Wild 36
Katz, Black Mountain College 24
Kelly, Yuck! 78
Kirby, Lab Coats in Hollywood 81
Klein, Something for Nothing 74
Knauff, Space to Reason 54

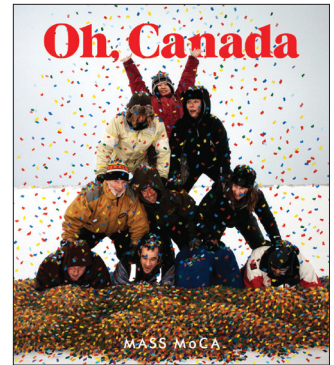
- Krauss**, Perpetual Inventory 77
Kroszner, Reforming U.S. Financial Markets 74
Kurgan, Close Up at a Distance 30
 Lab Coats in Hollywood, **Kirby** 81
Lachmund, Greening Berlin 69
Lai, Operations Forensics 40
Landau, Surveillance or Security? 82
 Language, Music, and the Brain, **Arbib** 55
Lauson, Light Show 20
Laws, Outlaws, and Terrorists, Blum 80
 Leading Open Innovation, **Huff** 45
 Learnability and Cognition, new edition, **Pinker** 52
 Learning at Not-School, **Sefton-Green** 46
 Lee Kuan Yew, **Allison** 3
Lerner, The Comingled Code 86
 Lexical Analysis, **Hanks** 50
 Light Show, **Lauson** 20
 Limits of Inference without Theory, **Wolpin** 41
Lind, Abstraction 26
 Living Through the End of Nature, **Wapner** 79
Ljungqvist, Recursive Macroeconomic Theory, third edition 43
 Louise Lawler, **Molesworth** 25
McCullough, Ambient Commons 14
 Measuring What Matters Most, **Schwartz** 46
Meyer, The Environmental Advantages of Cities 37
Meyer, What Was Contemporary Art? 9
Milkowski, Explaining the Computational Mind 56
 Mindshaping, **Zawidzki** 57
 Mindvaults, **Bogdan** 57
 Modes of Creativity, **Singer** 78
 Molecular Aesthetics, **Weibel** 22
Molesworth, Louise Lawler 25
 Moving Innovation, **Sito** 4
 Moving without a Body, **Portanova** 65
Mueller, Networks and States 87
 Multiagent Systems, second edition, **Weiss** 49
Munster, An Aesthesia of Networks 65
Negri, The Winter Is Over 32
 Networks and States, **Mueller** 87
 Neural Basis of Free Will, **Tse** 55
 New Science of the Mind, **Rowlands** 87
 No Medium, **Dworkin** 21
Noack, Sanja Iveković 29
Nourbakhsh, Robot Futures 2
Nye, America's Assembly Line 5
O'Connell, The Hub's Metropolis 12
O'Rourke, Walking and Mapping 62
 Operations Forensics, **Lai** 40
Parisi, Contagious Architecture 63
 Patently Contestable, **Arapostathis** 69
 Perpetual Inventory, **Krauss** 77
Pinker, Learnability and Cognition, new edition 52
 Playing with Sound, **Collins** 66
Portanova, Moving without a Body 65
Portney, Taking Sustainable Cities Seriously, second edition 37
 Prime Movers of Globalization, **Smil** 72
Prinz, Action Science 53
 Programmed Visions, **Chun** 86
 Programming Distributed Computing Systems, **Varela** 48
Quine, Word and Object, new edition 60
 Radicalizing Enactivism, **Hutto** 58
Radman, The Hand, an Organ of the Mind 53
Raunig, Factories of Knowledge, Industries of Creativity 33
 "Raw Data" Is an Oxymoron, **Gitelman** 67
 Recursive Macroeconomic Theory, third edition, **Ljungqvist** 43
 Rediscovery of the Wild, **Kahn** 36
 Reforming U.S. Financial Markets, **Kroszner** 74
 Regulating Code, **Brown** 70
 Reliability in Cognitive Neuroscience, **Uttal** 54
Robinson, Contested Water 39
 Robot Futures, **Nourbakhsh** 2
Rogers, Digital Methods 68
Rosenblith, Sensory Communication 56
Rowlands, The New Science of the Mind 87
 Sad Passions, **Gonzalez Peña** 34
 Sanja Iveković, **Noack** 29
Santiso, Banking on Democracy 41
 Saving Global Fisheries, **Barkin** 36
Schwartz, Measuring What Matters Most 46
Sefton-Green, Learning at Not-School 46
 Sensory Communication, **Rosenblith** 56
Siklos, Central Bank Communication, Decision Making, and Governance 42
Singer, Modes of Creativity 78
Sito, Moving Innovation 4
Smil, Harvesting the Biosphere 35
Smil, Prime Movers of Globalization 72
 Solutions Manual to Accompany Intermediate Public Economics, second edition, **Hashimzade** 44
 Something for Nothing, **Klein** 74
 Sonic Interaction Design, **Franinović** 64
 Space to Reason, **Knauff** 54
 Spam, **Brunton** 11
 Spheres of Action, **Alliez** 23
Springer, Communicating Moral Concern 59
Stallabrass, Documentary 27
Sterelny, Cooperation and Its Evolution 60
 Surveillance or Security?, **Landau** 82
 Syntax of Substance, **Adger** 50
 Taking Sustainable Cities Seriously, second edition, **Portney** 37
Teyssot, A Topology of Everyday Constellations 13
Thiele, Indra's Net and the Midas Touch 79
Tigerman, A Handbook of California Design, 1930-1965 10
Till, Architecture Depends 76
 Topology of Everyday Constellations, **Teyssot** 13
 Torture and the Forever War, **Danner** 19
Townsend, Chronicles from the Field 43
 Trade and Poverty, **Williamson** 84
Tse, The Neural Basis of Free Will 55
 Uncertainty in Games, **Costikyan** 15
Uttal, Reliability in Cognitive Neuroscience 54
Varela, Programming Distributed Computing Systems 48
 VARIOUS SMALL BOOKS Referencing Various Small Books by Ed Ruscha, **Brouws** 1
 Vast Machine, **Edwards** 82
 View from Above, **Haffner** 70
 Walking and Mapping, **O'Rourke** 62
Wapner, Living Through the End of Nature 79
Weibel, Molecular Aesthetics 22
Weiss, Multiagent Systems, second edition 49
 What Was Contemporary Art?, **Meyer** 9
Williamson, Trade and Poverty 84
 Winter Is Over, **Negri** 32
 Wired for Innovation, **Brynjolfsson** 75
Wolpin, The Limits of Inference without Theory 41
Word and Object, new edition, **Quine** 60
Yuck!, **Kelly** 78
Zawidzki, Mindshaping 57



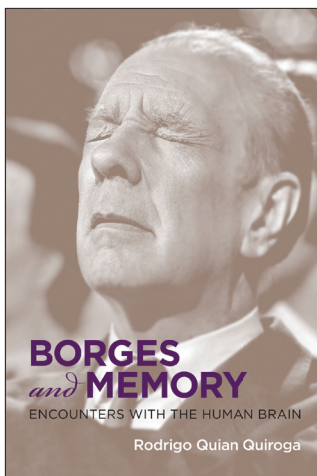
\$19.95T/£13.95 cloth
978-0-262-01792-3



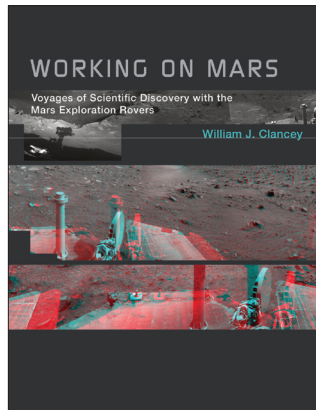
\$29.95T/£20.95 cloth
978-0-262-01845-6



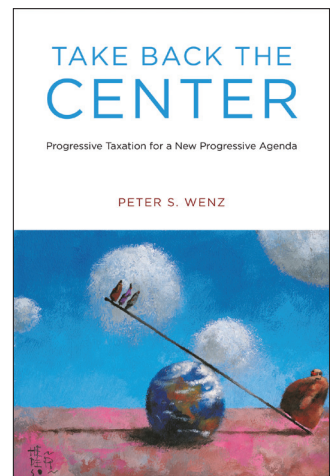
\$50.00T/£34.95 cloth
978-0-262-01835-7



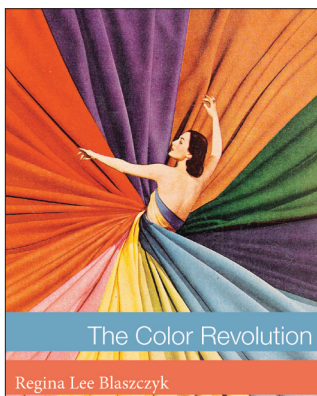
\$24.95T/£17.95 cloth
978-0-262-01821-0



\$29.95T/£20.95 cloth
978-0-262-01775-6



\$27.95T/£19.95 cloth
978-0-262-01788-6



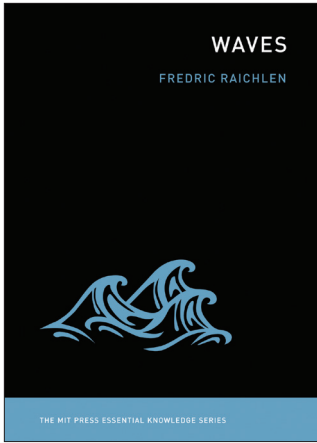
\$34.95T/£24.95 cloth
978-0-262-01777-0



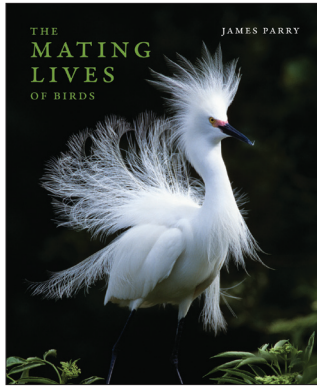
\$27.95T/£19.95 paper
978-0-262-51781-2



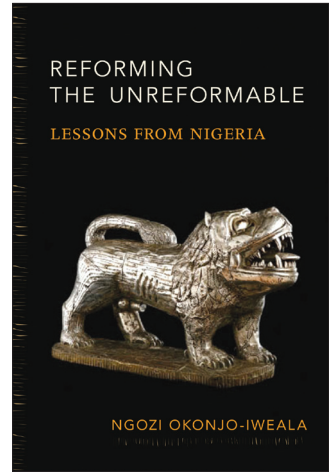
\$14.95T/£10.95 cloth
978-0-262-01841-8



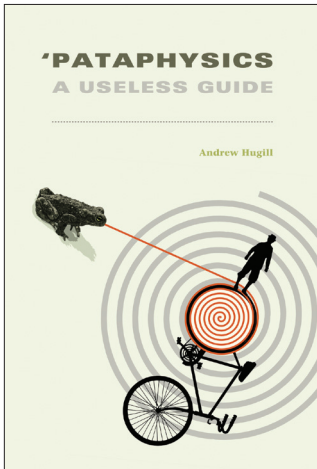
\$11.95T/£9.95 paper
978-0-262-51823-9



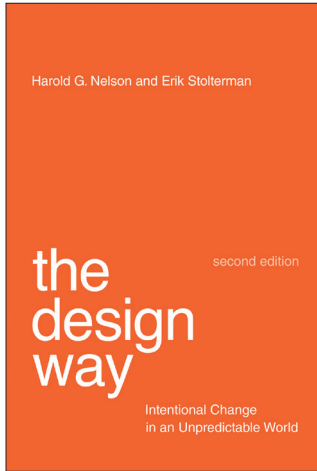
\$29.95T cloth
978-0-262-01831-9
For sale in North America only



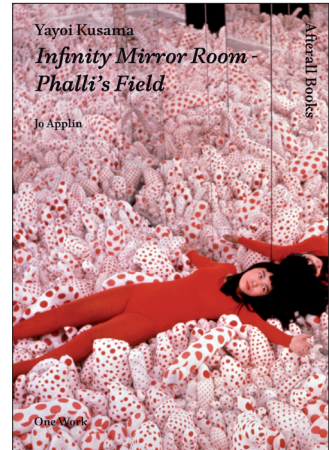
\$24.95T/£17.95 cloth
978-0-262-01814-2



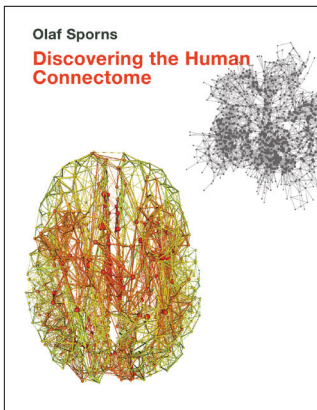
\$24.95T/£17.95 cloth
978-0-262-01779-4



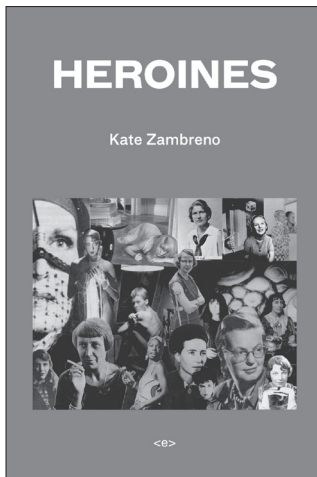
\$35.00S/£24.95 cloth
978-0-262-01817-3



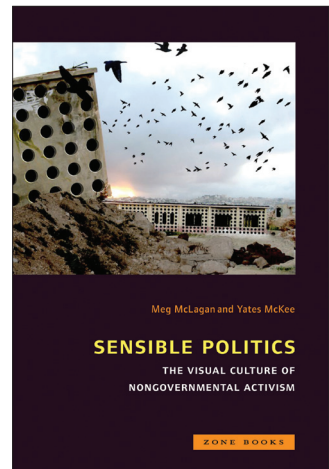
\$16.00T/£9.95 paper
978-1-84638-091-4



\$35.00S/£24.95 cloth
978-0-262-01790-9



\$17.95T/£12.95 paper
978-1-58435-114-6



\$36.95T/£25.95 cloth
978-1-935408-24-6