

## PROFESSOR NICK BOSTROM

### Curriculum Vitae

Faculty of Philosophy  
University of Oxford

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#### SHORT BIO

Nick Bostrom is Professor in the Faculty of Philosophy at Oxford University and founding Director of the Future of Humanity Institute and of the Programme on the Impacts of Future Technology within the Oxford Martin School. He is the author of more than 200 publications, including *Anthropic Bias* (Routledge, 2002 and 2010), *Global Catastrophic Risks* (ed., OUP, 2008 and 2011), and *Human Enhancement* (ed., OUP, 2009), and has a forthcoming book on superintelligence (OUP, 2013). He previously taught at Yale, and was a Postdoctoral Fellow of the British Academy. Bostrom has a background in physics, computational neuroscience, and mathematical logic as well as philosophy.

He is best known for his work in five areas: (i) the concept of existential risk; (ii) the simulation argument; (iii) anthropics (developing the first mathematically explicit theory of observation selection effects); (iv) transhumanism, including related issues in bioethics and on consequences of future technologies; and (v) foundations and practical implications of consequentialism. He is currently working on a book about superintelligence and on the existential risks and strategic issues related to the prospect of advances in machine intelligence.

In 2009, he was awarded the Eugene R. Gannon Award (one person selected annually worldwide from the fields of philosophy, mathematics, the arts and other humanities, and the natural sciences). He has been listed in the *FP 100 Global Thinkers* list, the Foreign Policy Magazine's list of the world's top 100 minds. His writings have been translated into more than 21 languages, and there have been some 80 translations or reprints of his works. He has done over 500 interviews for TV, film, radio, and print media, and he has addressed academic and popular audiences around the world.

#### POSITIONS

##### Oxford University

2008 – present:

**Professor**, Faculty of Philosophy

2011 – present:

**Director**, Programme on the Impacts of Future Technology, Oxford Martin School

2005 – present:

**Director**, Future of Humanity Institute, Faculty of Philosophy and Oxford Martin School

**Governing Board Fellow**, St Cross College

2005 – 2006:

**University Fellow**, James Martin Institute for Science and Civilization

2003 – 2005:

**British Academy Postdoctoral Fellow**, Faculty of Philosophy

##### Yale University

2000 – 2002:

**Lecturer**, Department of Philosophy  
**Lecturer**, Yale Institution of Social and Policy Studies

## EDUCATION

London School of Economics

1996 – 2000:

### **PhD in Philosophy**

Dissertation selected by the late Prof Robert Nozick for inclusion in the Routledge series *Outstanding Dissertations* (seven dissertations worldwide selected for this honor)

King's College, University of London

1996:

**Astrophysics and General relativity**, Department of Physics

**MSc-thesis in Computational neuroscience**, Department of Mathematics

University of Stockholm

1994 – 1996:

**MA in Philosophy and in Physics**

University of Goteborg

1992 – 1994:

**BA in Philosophy, Mathematics, Mathematical Logic, Artificial Intelligence**

Undergraduate performance set national record in Sweden

## PUBLICATIONS

### **Books**

- (1) *Superintelligence: The Coming Machine Intelligence Revolution*. In preparation (Oxford: Oxford University Press, 2013)
- (2) *Global Catastrophic Risks*, ed. w/ Milan Cirkovic (Oxford: Oxford University Press, 2008; paperback reprint, OUP, 2011).
- (3) *Human Enhancement*, ed. w/ Julian Savulescu (Oxford: Oxford University Press, 2009; paperback reprint, OUP, 2010).
- (4) *Anthropic Bias: Observation Selection Effects in Science and Philosophy* (New York: Routledge, 2002; paperback reprint, Routledge, 2010).

### **Journal papers**

(incl. *Nature*, *Ethics*, *Journal of Philosophy*, *Mind*, *Phil Quart*, *JME*, *Ann NY Ann Sci*, *Bioethics*, *Astrophysics and Space Sci*, *Utilitas*, *Analysis*, *MIT Tech Rev*, *Harvard J Phil*, and others)

- (5) "The Unilateralist's Curse", in preparation (w/ Anders Sandberg and Tom Douglas).
- (6) "The Superintelligent Will: Motivation and Instrumental Rationality in Advanced Artificial Agents", in *Minds and Machines*, Vol. 22, Issue 2 (2012): pp. 71-85.

- (7) "How Hard is AI? Evolutionary Arguments and Selection Effects", *J. Consciousness Studies* (w/ Carl Shulman) (forthcoming, 2012).
- (8) "Existential Risk Reduction as the Most Important Task for Humanity," *Global Policy* (forthcoming, 2012).
- (9) "An Empirical Test of the Simulation Hypothesis", in preparation (w/ Stuart Armstrong).
- (10) "Thinking Inside the Box: Using and Controlling an Oracle AI", *Minds and Machines* (w/ Stuart Armstrong and Anders Sandberg) (forthcoming, 2012).
- (11) "Information Hazards: A Typology of Potential Harms from Knowledge", *Review of Contemporary Philosophy*, Vol. 10 (2011): pp. 44-79.
- (12) "Infinite Ethics" in *Analysis and Metaphysics*, Vol. 10 (2011): pp. 9-59.
- (13) "A Patch for the Simulation Argument", *Analysis*, 71.1 (2011): 54-61 (w/ Marcin Kulczycki).
- (14) "Anthropic Shadow: Observation Selection Effects and Human Extinction Risks", *Risk Analysis*, Vol. 30, No. 10 (2010): pp. 1495-1506 (w/ Milan Cirkovic and Anders Sandberg).
- (15) "Pascal's Mugging", *Analysis*, Vol. 69, No. 3 (2009): pp. 443-445.
- (16) "The Simulation Argument: Some Explanations", *Analysis*, Vol. 69, No. 3 (2009): pp. 458-461.
- (17) "Moralist, Meet Scientist; Scientist, Meet Moralist", *Nature*, Vol. 453 (2008): pp. 593-594.
- (18) "In the Great Silence there is Great Hope", *MIT Technology Review*, May/June issue (2008): pp. 72-77.
- (19) "Letter from Utopia", *Studies in Ethics, Law, and Technology*, Vol. 2, No. 1 (2008): pp. 1-7.
- (20) "Cognitive Enhancement: Methods, Ethics, and Regulatory Challenges", *Science and Engineering Ethics*, Vol. 15, No. 3 (2009): pp. 311-341 (w/ Anders Sandberg).
- (21) "Sleeping Beauty and Self-Location: A Hybrid Model", *Synthese*, Vol. 157, No. 1 (2007): pp. 59-78.
- (22) "Ethical Principles in the Creation of Artificial Minds", *Analysis and Metaphysics*, Vol. 6 (2007): pp. 141-143.
- (23) "What is a Singleton?", *Linguistic and Philosophical Investigations*, Vol. 5, No. 2 (2006): pp. 48-54.
- (24) "Ethical Issues in Advanced Artificial Intelligence", *Review of Contemporary Philosophy*, Vol. 5, No. 1-2 (2006): pp. 66-73.
- (25) "A Short History of Transhumanist Thought", *Analysis and Metaphysics*, Vol. 5, No. 1-2 (2006): pp. 63-95.
- (26) "Converging Cognitive Enhancements", *Annals of the New York Academy of Sciences*, Vol. 1093 (2006): pp. 201-207 (w/ Anders Sandberg).

- (27) "Quantity of Experience: Brain-Duplication and Degrees of Consciousness", *Minds and Machines*, Vol. 16, No. 2 (2006): pp. 185-200.
- (28) "The Reversal Test: Eliminating Status Quo Bias in Bioethics", *Ethics*, Vol. 116, No. 4 (2006): pp. 656-680 (w/ Toby Ord).
- (29) "Desire, Time, and Ethical Weight", *Analysis and Metaphysics*, Vol. 4, No. 2 (2006): pp. 59-83.
- (30) "How Unlikely is a Doomsday Catastrophe?", *Nature*, Vol. 438, No. 7069 (2005): p. 754 + supplementary materials (w/ Max Tegmark).
- (31) "The Simulation Argument: Reply to Brian Weatherson", *Philosophical Quarterly*, Vol. 55, No. 218 (2005): pp. 90-97.
- (32) "A History of Transhumanist Thought", *Journal of Evolution and Technology*, Vol. 14 (2005), pp. 1-25.
- (33) "Recent Arguments about Life-Extension", *Aging Horizons*, No. 3, Autumn/Winter issue (2005): pp. 28-34.
- (34) "In Defense of Posthuman Dignity", *Bioethics*, Vol. 19, No. 3 (2005): pp. 202-214. [This article was chosen for inclusion in an anthology of the best *Bioethics* papers published in the last two decades: *The Bioethics Reader: Editors' Choice*, eds. Ruth Chadwick, Helga Kuhse, Willem A. Landman, Udo Schüklenk, and Peter Singer (Oxford: Wiley-Blackwell, 2007)]
- (35) "Understanding Quine's Thesis of Indeterminacy", *Linguistic and Philosophical Investigations*, Vol. 4, No. 1 (2005): pp. 60-96.
- (36) "Transhumanist Values", *Review of Contemporary Philosophy*, Vol. 4, No. 1-2 (2005): pp. 87-101.
- (37) "The Fable of the Dragon-Tyrant", *Journal of Medical Ethics*, Vol. 31, No. 5 (2005): pp. 273-277.
- (38) "The Mysteries of Self-Locating Belief and Anthropic Reasoning", *Harvard Review of Philosophy*, Vol. 11 (2003): pp. 59-74.
- (39) "Astronomical Waste: The Opportunity Cost of Delayed Technological Development", *Utilitas*, Vol. 15, No. 3 (2003): pp. 308-314.
- (40) "Human Genetic Enhancements: A Transhumanist Perspective", *Journal of Value Inquiry*, Vol. 37, No. 4 (2003): pp. 493-506.
- (41) "Taking Intelligent Machines Seriously: Reply to my Critics", *Futures*, Vol. 35, No. 8 (2003): pp. 901-906.
- (42) "Are You Living In A Computer Simulation?", *Philosophical Quarterly*, Vol. 53, No. 211 (2003): pp. 243-255.
- (43) "When Machines Outsmart Humans", *Futures*, Vol. 35, No. 7 (2003): pp. 759-764. (Included a *Futures* symposium organized around the article).

- (44) "The Doomsday Argument and the Self-Sampling Assumption: Reply to Olum", *Philosophical Quarterly*, Vol. 53, No. 210 (2003): pp. 83-91 (w/ Milan Cirkovic).
- (45) "Self-Locating Belief in Big Worlds: Cosmology's Missing Link to Observation", *Journal of Philosophy*, Vol. 99, No. 12 (2002): pp. 607-623.
- (46) "Existential Risks: Analyzing Human Extinction Scenarios", *Journal of Evolution and Technology*, Vol. 9, No. 1 (2002): pp. 1-30. Electronic publication: [www.jetpress.org/volume9/risks.html](http://www.jetpress.org/volume9/risks.html)
- (47) "The Doomsday Argument, Adam & Eve, UN++, and Quantum Joe", *Synthese*, Vol. 127, No. 3 (2001): pp. 359-387.
- (48) "The Meta-Newcomb Problem", *Analysis*, Vol. 61, No. 4 (2001): pp. 309-310.
- (49) "Observer-Relative Chances in Anthropic Reasoning", *Erkenntnis*, Vol. 52 (2000): pp. 93-108.
- (50) "Cortical Integration: How to Store Complex Representations in Long Term Memory", *Consciousness and Cognition*, Vol.9, No 2 (2000): pp. 395-405.
- (51) "Cosmological Constant and the Final Anthropic Hypothesis", *Astrophysics & Space Science*, Vol. 279, No. 4 (2000): pp. 675-87 (w/ Milan Cirkovic).
- (52) "The Doomsday Argument is Alive and Kicking", *Mind*, Vol. 108, No. 431 (1999): pp. 539-550.
- (53) "How Long Before Superintelligence?", *International Journal of Futures Studies*, Vol. 2 (1998).

#### **Contributed book chapters, conference proceedings & articles**

- (54) "Why We Need Friendly AI", in preparation (w/ Luke Muehlhauser)
- (55) "The Ethics of Artificial Intelligence", In *The Cambridge Handbook of Artificial Intelligence*, eds. William Ramsey and Keith Frankish (Cambridge: Cambridge University Press, expected 2012) (w/ Eliezer Yudkowsky).
- (56) "Technological Revolutions: Ethics and Policy in the Dark", reprinted in *Death and Anti-Death (Volume 9): One Hundred Years After Wilhelm Dilthey (1833-1911)*, ed. Charles Tandy. Death and Anti-Death Series. (Palo Alto, California: Ria University Press, 2012): pp. 75-108.
- (57) "Letter from Utopia" Reprinted in *Nexus: Beschavingsidealen: Beethoven of Superman?*, Vol. 57, (2011), pp.151-158.
- (58) "Machine Intelligence Survey", Technical Report #2011-1, The Future of Humanity Institute, Oxford University, 2011 (w/ Anders Sandberg).
- (59) "Smart Policy: Cognitive Enhancement and the Public Interest", In *Enhancing Human Capacities*, eds. Julian Savulescu, Ruud ter Muelen, and Guy Kahane (Oxford: Wiley-Blackwell, 2011): pp. 138-149. (w/ Rebecca Roache).

- (60) Invited chapter for *Swedish Philosophers: Emanuel Swedenborg, Per Martin-Löf, Nick Bostrom, Bertil Mårtensson, Sven Ove Hansson, Andries Mac Leod, Axel Hägerström* (Books LLC, May 2010, in French in August 2010).
- (61) “Why I Want to be a Posthuman When I Grow Up”, *Medical Enhancement and Posthumanity*, The International Library of Ethics, Law and Technology series. eds. Bert Gordijn and Ruth Chadwick (Springer, 2008, reprinted in 2010): pp. 107-137.
- (62) “Super Human”, *Business Voice: The CBI Magazine*, March Issue (2010).
- (63) “Betting for Britain”, *Wired UK*, January 10 issue, (2010), pp. 96-97.
- (64) “Ideas of the Century: The Simulation Argument”, *TPM: The Philosophers’ Magazine*. Issue 50, (2010): pp. 28-29.
- (65) “Superintelligence”, In *This Will Change Everything: Ideas That Will Shape the Future*, ed. John Brockman (New York: Harper Perennial, 2009): pp. 111-114.
- (66) “The Wisdom of Nature: An Evolutionary Heuristic for Human Enhancement”, *Human Enhancement*, eds. Julian Savulescu and Nick Bostrom (Oxford: Oxford University Press, 2009): pp. 375-416 (w/ Anders Sandberg).
- (67) Invited chapter for the *Institute for Ethics and Emerging Technologies: Riccardo Campa, Nick Bostrom, James Hughes (sociologist), Techno-progressivism, Science and Technology ... Change, Public Policy, Humanity, Academia*. (Alphascript Publishing, December 2009).
- (68) “The Future of Humanity”, Invited article for *Companion to Philosophy of Technology*, eds. Jan-Kyrre Berg Olsen, Stig Andur Pedersen, and Vincent F. Hendricks (Oxford: Wiley-Blackwell, 2009): pp. 551-558.
- (69) “The Future of Humanity”, Invited anthology chapter for *New Waves in Philosophy of Technology*, eds. Jan-Kyrre Berg Olsen, Evan Selinger & Soren Riis Aldershot (Palgrave Macmillan, 2009): pp. 186-216.
- (70) “Brain-Boosters”, *Unnatural Selection: The Challenges of Engineering Tomorrow’s People*, eds. Peter Healey and Steve Rayner (Sterling: London, 2009): pp. 129-141 (w/ Anders Sandberg).
- (71) “Enhancement Ethics: The State of the Debate”, *Human Enhancement*, eds. Julian Savulescu and Nick Bostrom (Oxford: Oxford University Press, 2009): pp. 1-22 (w/ Julian Savulescu).
- (72) “How to Enhance Human Beings”, *What’s Next?: Dispatches on the Future of Science: Original Essays from a New Generation of Scientists*, ed. Max Brockman (Vintage, 2009): pp. 25-39. (Also published in Germany, Italy, Spain, Holland, Korea, China, and Turkey.)
- (73) “Whole Brain Emulation: A Technical Roadmap”, *Technical Report #2008-3, The Future of Humanity Institute*, Oxford University, 2008 (w/ Anders Sandberg).
- (74) Invited to write the “Foreword” for *Axiological Anthropology and the Promotion of Mental Health* by Maria S. Vassiliadou. Ed. Richard Baron. (London: Educational Trust for Health Improvement Through Cognitive Strategies, 2008).

- (75) “Smart Policy: Cognitive Enhancement in the Public Interest”, In *Reshaping the Human Condition: Exploring Human Enhancement*, eds. L. Zonneveld, H. Dijkstra, and D. Ringoir (The Hague: Rathenau Institute in collaboration with the British Embassy, Science and Innovation Network and the Parliamentary Office of Science & Technology: 2008): pp. 29-37.
- (76) “Everything”, In *What Have You Changed Your Mind About?: Today’s Leading Minds Rethink Everything*, ed. John Brockman (New York: Harper Perennial, 2008): pp. 61-63.
- (77) “Parenthetical Word” in *Structure of the Global Catastrophe: Risks of Human Extinction in the XXI Century* by Alexei Turchin. A Series: Dialogues about the Future, Vol 2. Eds. I. V. Sledzevsky and Valery Prajd (2008): p. 22.
- (78) “The Dread Planet: Why Finding Fossils on Mars Would Be Extremely Bad News for Humanity”, *Sunday Boston Globe*, 25 May (2008): pp. D1-D4.
- (79) “Enhancement and Dignity”, In *Human Dignity and Bioethics: Essays Commissioned by the President’s Council on Bioethics* (Washington, D.C.: 2008): pp. 173-207.
- (80) “Drugs Can be Used to Treat More than Disease”, *Nature*, Vol. 452, No. 7178 (2008): p. 520.
- (81) “The Doomsday Argument”, *Think: Philosophy for Everyone* (Spring 2008): pp. 17-18, 23-27.
- (82) “Where Are They?”, *Technology Review*, Vol. 111, Issue 3 (2008): pp. 72-77.
- (83) “Three Big Problems”, *Death and Anti-Death*, Vol. 5, ed. Charles Tandy. Death and Anti-Death Series. (Palo Alto, CA, Ria University Press, 2007): pp. 147-165 (w/ Rebecca Roache).
- (84) “Ethical Principles in the Creation of Artificial Minds”, *Linguistic and Philosophical Investigations*, Vol. 6 (2007): pp. 183-184.
- (85) “Human vs. Posthuman”, *Hastings Center Report*, Vol. 37, No. 5 (2007): pp. 4-5.
- (86) “Ethical Issues in Human Enhancement”, Invited anthology chapter for *New Waves in Applied Ethics*, eds. Jesper Ryberg, Thomas Petersen & Clark Wolf (Palgrave Macmillan, 2008): pp. 120-152 (w/ Rebecca Roache).
- (87) “Ethical and Political Challenges to the Prospect of Life Extension”, Invited article for *World Demographics Association Proceedings* (2007).
- (88) “Technological Revolutions and the Problem of Prediction”, *Nanoethics: The Ethical and Social Implications of Nanotechnology*, eds. Fritz Allhoff, Patrick Lin, Jim Moor & John Weckert (Wiley-Interscience, 2007): pp. 101-118.
- (89) “Technological Revolutions: Ethics and Policy in the Dark”, *Nanoscale: Issues and Perspectives for the Nano Century*, eds. Nigel M. de S. Cameron and M. Ellen Mitchell (John Wiley, 2007): pp. 129-152.
- (90) “Observation Selection Theory and Cosmological Fine-tuning”, Invited chapter in *Universe or Multiverse?*, ed. Bernard Carr (Cambridge University Press: Cambridge, 2007): pp. 431-443.

- (91) “Do We Live in a Computer Simulation?”, *New Scientist*, Vol. 192, No. 2579, 19 November (2006): pp. 38-39.
- (92) “Nanoethics and Technological Revolutions: A Précis”, *Nanotechnology Perceptions: A Review of Ultraprecision Engineering and Nanotechnology*, Vol. 2 (1b), May Issue (2006).
- (93) “The Singularity”, Invited chapter in *Better Humans?: The Politics of Human Enhancement and Life Extension*, eds. Paul Miller and James Wilsdon (DEMOS, January 26, 2006).
- (94) “Dinosaurs, Dodos, Humans?”, Invited article for *Global Agenda*, the annual publication of the World Economic Forum, January issue (2006): pp. 230-231.
- (95) “Recent Developments in the Ethics, Science, and Politics of Life-Extension”, Invited chapter in *Death And Anti-Death, Volume 3: Fifty Years After Einstein, One Hundred Fifty Years After Kierkegaard*, ed. Charles Tandy. Death and Anti-Death Series. (Palo Alto, California: Ria University Press, 2006).
- (96) “Re: The Benevolent Dragon”, *Journal of Medical Ethics*, 24 June, 31/5/273#332, e-letter section (2005).
- (97) “Scientists Find Death Can Damage Your Health”, *Journal of Medical Ethics*, 31/5/273#308, e-letter section (2005).
- (98) “The Future of Humankind: Heaven, Hell, with Stops Along the Way”, Review of “Radical Evolution: The Promise and Peril of Enhancing Our Minds, Our Bodies – and What it Means to be Human” by Joel Garreau, *Scientific American*, July (2005): pp. 86-87.
- (99) “A Proactive Response to the Tsunami Disaster”, *Better Humans*, 01/19/2005 (2005).
- (100) “A Short History of Transhumanist Thought”, Invited chapter to *The Prospect of Immortality, By R. Ettinger, Plus Additional Comments by Others*, ed. Charles Tandy, in the Cultural Classics Series (Ria University Press, Palo Alto, California, 2005).
- (101) “Why Make a Matrix? And Why You Might Be In One”, *More Matrix and Philosophy*, ed. William Irwin Popular Culture and Philosophy Series. (Open Court: New York, 2005): pp. 81-92.
- (102) “Transhumanism: The World’s Most Dangerous Idea?”, *Foreign Policy* (2004).
- (103) “Who Wants to Live Forever?”, *Essays on Infinite Lifespans*, ed. Immortality Institute (Libros En Red Press, 2004).
- (104) “The Future of Human Evolution”, contributed chapter to *Death And Anti-Death, Volume 2: Two Hundred Years After Kant, Fifty Years After Turing*, ed. Charles Tandy. Death and Anti-Death Series. (Palo Alto, California: Ria University Press, 2004); pp. 339-371.
- (105) “Is Transhumanism the World’s Most Dangerous Idea?”, *BetterHumans*, 10/19/2004 (2004).
- (106) “The Transhumanist FAQ v.2.1”, published by the World Transhumanist Association (2004).
- (107) “Free Will: What’s the Transhumanist Position?”, *BetterHumans*, no. 1/9/2004 (2004)



- (108) "Transhumanist Values", In *Ethical Issues for the 21st Century*, ed. Frederick Adams (Philosophical Documentation Center Press, 2004).
- (109) "Transhumanist Priorities", In *The Technology of Humanity: Can Technology Contribute to the Quality of Life?*, eds. Ellen Michell and Lori B. Andrews (Illinois Institute of Technology, 2003).
- (110) "The Simulation Argument: Why the Probability that You are Living in the Matrix is Quite High", *Times Higher Educational Supplement*, May 16 (2003).
- (111) "The Ethics of Superintelligent Machines", *Proceedings of the InterSymp'2003 Conference*, International Institute for Advanced Studies in Systems Research and Cybernetics (2003).
- (112) "Reasons for Doubting Design: Response to Swinburne", *THINK*, issue 4 (2003).
- (113) "Human Extinction", Invited article for *Encyclopedia of Population*, eds. Paul Demeny and Geoffrey McNicoll (New York: Macmillan, 2003).
- (114) "Are We Living in the Matrix? The Simulation Argument", invited chapter to *Taking the Red Pill: Science, Philosophy, and Religion in The Matrix*, edited by Glenn Yeffeth (Texas: BenBella Books, 2003).
- (115) "Cars in the Other Lane Really Do Go Faster", *PLUS*, issue 17 (2001).
- (116) "Against Ageing", *The Longevity Meme* (2001).
- (117) "Transhumanism – An Idea Whose Time Has Come", *Doctor Tandy's First Guide to Life Extension and Transhumanity* (Palo Alto: Ria University Press, 2001).
- (118) "A Primer on the Doomsday Argument", Invited feature in *ephilosopher.com* (2001).
- (119) "The Disturbing Doomsday Argument", *The Actuary*, March issue (2001).
- (120) "Who's Afraid of Life?", *Science Magazine*, 9 May issue (2000).
- (121) "What Is Transhumanism?", *Sawaal*, August issue (2000).
- (122) "Is the End Nigh?", *Philosopher's Magazine*, Issue 9 (2000).
- (123) "Predictions from Philosophy", *Coloquia Manilana (PDCIS)*, Vol. 7 (1999).
- (124) "The Doomsday Argument". *Coloquia Manilana (PDCIS)*, Vol. 7 (1999).
- (125) "Singularity and Predictability", *Extropy*, October issue (1998).

### Reprints and translations

My writings have been translated into 21 different languages: *Albanian, Belurussian, Czech, Danish, Dutch, Finnish, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Polish, Portuguese, Romanian, Russian, Serbian, Slovenian, Spanish and Ukrainian*. Many have been reprinted in anthologies.

- (126) “Why I Want to be a Posthuman When I Grow Up”, reprinted in *After Words*, an anthology compiled by the English Department at the American University of Beirut (forthcoming, 2012).
- (127) “A History of Transhumanist Thought”, reprinted in *Academic Writing Across the Disciplines*, eds. Michael Rectenwald & Lisa Carl (New York: Pearson Longman) (forthcoming, 2012).
- (128) “A History of Transhumanist Thought”, translated into Polish by Michał Olczak (forthcoming, 2012).
- (129) “Human Genetic Enhancements: A Transhumanist Perspective”, reprinted in *Arguing About Bioethics*, ed. Stephan Holland. Arguing About Philosophy Series. (Routledge) (forthcoming, 2012).
- (130) “The Transhumanist Values,” translated into Portuguese by Pablo de Araujo for reprint in *Fundamento: Journal of Research in Philosophy* (under consideration, 2012).
- (131) “The Ethics of Artificial Intelligence”, translated into Portuguese by Pablo de Araujo (forthcoming, 2012).
- (132) “Letter from Utopia”, reprinted in *Geopolitics, History, and International Relations* (forthcoming, 2012).
- (133) *Global Catastrophic Risks*, eds. Nick Bostrom & Milan Cirkovic, translated into Serbian (HELIKS of Smederevo) (forthcoming, 2012).
- (134) 'Existential Risks: Analyzing Human Extinction Scenarios', translated into Belorussian by Galina Miklosic (forthcoming, 2012).
- (135) “Letter from Utopia”, translated into French by Jill Drouillard (2012).  
[www.nickbostrom.com/translations/utopie.pdf](http://www.nickbostrom.com/translations/utopie.pdf)
- (136) “The Fable of the Dragon Tyrant”, reprinted in *Philosophy Now*, Issue 89 (March/April 2012).
- (137) "A Primer on the Anthropic Principle", translated into Ukrainian by Jim Jerginson (December 2011).  
[www.portablecomponentsforall.com/edu/anthropicbias-uk/](http://www.portablecomponentsforall.com/edu/anthropicbias-uk/)
- (138) “History of Transhumanism”, translated into Spanish by Antonio Calleja-Lopez and reprinted in *Argumentos de Razon Tecnica* (July 2011 ).
- (139) “The Simulation Argument,” reprinted in *Four Fundamental Questions: An Introduction to Philosophy* by Richard Bilsker. (Kendall/Hunt Publishing Company, 2011).
- (140) “Anthropic Shadow: Observation Selection Effects and Human Extinction Risks”, translated into Belorussian by Alexei Turchin. (2011, w/ Anders Sandberg and Milan Cirkovic) and  
[www.scribd.com/doc/48444529/anthropicshadow2](http://www.scribd.com/doc/48444529/anthropicshadow2). (originally published in *Risk Analysis*, Vol. 30, No. 10 (2010): pp. 1495-1506.)
- (141) “In Defense of Posthuman Dignity”, reprinted in *H+/-: Transhumanism and Its Critics*, eds. Gregory R. Hansell and William Grassie. (Xlibris, Corp, 2011): pp. 55-66.
- (142) “On Changing One’s Mind: The Bayesian Way”, reprinted in *Death And Anti-Death, Volume 8: Fifty Years After Albert Camus (1913-1960)*, vol. 8 – Brief Communications section, (Palo Alto, California: Ria University Press, 2010): pp. 13-15.

- (143) “A Primer on the Anthropic Principle”, translated into Belurussian by Patricia Clausnitzer. (2010): <http://pc.de/pages/anthropicbias-be> (originally published in *Anthropic Bias: Observation Selection Effects in Science and Philosophy. Studies in Philosophy: Outstanding DiSSERTATIONS Series*. (New York: Routledge, 2002).
- (144) “Why I Want to be a Posthuman When I Grow Up”, reprinted in *Medical Enhancement and Posthumanity*, The International Library of Ethics, Law and Technology series. eds. Bert Gordijn and Ruth Chadwick (Springer, 2010): pp. 107-136.
- (145) “Smart Policy: Cognitive Enhancement and the Public Interest”, reprinted in *Contemporary Readings in Law and Social Justice*, Vol. 2, No. 1 (2010): pp. 68-84.
- (146) Extracts from “Letter from Utopia”, reprinted in *The World I Dream Of*, by Curt Butz (O Books, 2010): p. 28.
- (147) “The Future of Human Evolution”, reprinted in *Bedeutung*, Issue 3 (2010): pp. 16-29.
- (148) “The Simulation Argument”, reprinted in *The Philosopher’s Magazine*, Issue 50 (2010): pp. 28–29.
- (149) “Dignity and Enhancement”, reprinted in *Contemporary Readings in Law and Social Justice*, Vol. 1, No. 2 (2010): pp. 84-115.
- (150) “The Future of Humanity”, reprinted in *Geopolitics, History, and International Relations*, Vol. 1, No. 2 (2009): pp. 41-78.
- (151) “The Mysteries of Self-Locating Belief and Anthropic Reasoning”, reprinted in *All We Need Is a Paradigm: Essays on Science, Economics, and Logic from The Harvard Review of Philosophy*, ed. S. Phineas Upham (Chicago: Open Court, 2009): pp. 159-176.
- (152) “Are You Living in a Computer Simulation?”, translated into Belurussian by Alexei Turchin (2009): [www.scribd.com/doc/13107082/](http://www.scribd.com/doc/13107082/) (originally published in *Philosophical Quarterly*, Vol. 53, No. 211, (2003): pp. 243-255. [First version: 2001]).
- (153) “In Defense of Posthuman Dignity”, reprinted in *Global Spiral*, (5 February 2009).
- (154) “Dinosaurs, Dodos, Humans?”, reprinted in *Review of Contemporary Philosophy*, Vol. 8 (2009): pp. 85-89.
- (155) “Letter from Utopia (abridged)”, reprinted in English and in French translation in *100,000 Years of Beauty: Future/Projections*, ed. Françoise Gaillard (Les Editions Babylone, October 2009): 209-210.
- (156) “When Will Computers Be Smarter Than Us?”, reprinted in *Forbes.com* (2009): 22 June
- (157) “Do We Live in a Computer Simulation?”, translated into German in *High Flyer* newsletter (2009).
- (158) “Die Weisheit der Natur: Eine Evolutionäre Heuristik für Enhancement am Menschen”, translation into German of “The Wisdom of Nature: A Practical Approach to Human Enhancement” (Alber Verlag, 2009, w/ Anders Sandberg).

- (159) “The Epistemological Mystique of Self-Locating Belief”, reprinted in *Annals of Spiru Haret University. Journalism Studies*: Vol. 10 (2009).
- (160) “The Future of Human Evolution”, reprinted in *Bedeutung*, Issue 3: Life and Death. (2009).
- (161) “The Singularity”, translated into Japanese in *Human Enhancement [Enhancement to ronsoō = Human enhancement : Shintai seishin no zokyoō to sentan kagaku gijutsu]*, eds. Ueda Akifumi and Watanabe Maiko (Japan: Shohan, 2008): pp. 40-50
- (162) “Are You in a Computer Simulation?”, reprinted in *Science Fiction and Philosophy: From Time Travel to Superintelligence*, ed. Susan Schneider (Wiley-Blackwell, 2009): pp. 20-23.
- (163) “Ethical Issues in Advanced Artificial Intelligence”, reprinted in *Science Fiction and Philosophy: From Time Travel to Superintelligence*, ed. Susan Schneider (Wiley-Blackwell, 2009): pp. 277-284.
- (164) “Letter from Utopia”, reprinted in *Journal of Evolution and Technology*, Vol. 19, No. 1 (2008): pp. 67-72.
- (165) “The Dread Planet: Why Finding Fossils on Mars Would Be Extremely Bad News for Humanity”, reprinted in *The Dallas Morning News*, (2008).
- (166) “Transhumanist Values”, reprinted in *Contemporary Bioethics: A Reader with Cases*, eds. Jessica Pierce and George Randels (Oxford: Oxford University Press, 2009).
- (167) “Transhumanist Values”, reprinted in *Readings in the Philosophy of Technology*, 2<sup>nd</sup> edition, ed. David M. Kaplan (New York: Rowman & Littlefield Publishers, 2009).
- (168) “Existential Risks: Analyzing Human Extinction Scenarios and Related Hazards”, reprinted in *Crisis Management*, ed. Arjen Boin (SAGE Publications, 2008).
- (169) “The Fable of the Dragon-Tyrant”, translated into German in *Über-Menschlichkeiten*, eds. Jan-Christoph Heilinger and Markus Christen, in the book series *Utopie Mensch*, vol. 2 (Zurich: Biel, 2008).
- (170) “The Doomsday Argument is Alive and Kicking”, translated into Belurussian by Alexei Turchin (2007): [www.proza.ru/texts/2007/05/20-267.html](http://www.proza.ru/texts/2007/05/20-267.html) (originally published in *Mind* (1999), Vol. 108, No. 431 (1999): pp. 539-50.)
- (171) “Existential Risks: Analysis of Human Extinction Scenarios and Related Hazards”, translated into Belurussian by Alexei Turchin. (2007): [www.proza.ru/texts/2007/04/04-210.html](http://www.proza.ru/texts/2007/04/04-210.html) (originally published in *Journal of Evolution and Technology*, Vol. 9, March 2002. [First version: 2001]).
- (172) “How Improbable Is a Doomsday Catastrophe?”, translated into Belurussian by Alexei Turchin (2007): [www.proza.ru/texts/2007/04/11-348.html](http://www.proza.ru/texts/2007/04/11-348.html). (originally published in *Nature*, Vol. 438, No. 7069 (2005): p. 754 + supplementary materials, w/ Max Tegmark).
- (173) “A Primer on the Doomsday Argument”, translated into Belurussian by Alexei Turchin (2007): [www.proza.ru/texts/2007/04/13-34.html](http://www.proza.ru/texts/2007/04/13-34.html)
- (174) “In Defense of Posthuman Dignity”, reprinted in *The Bioethics Reader: Editors’ Choice*. (Malden MA; Oxford: Blackwell Publishing, 2007).

- (175) “Three Big Problems”, reprinted in *Death and Anti-Death (Volume 5):Thirty Years After Loren Eiseley (1907-1977)*, ed. Charles Tandy. Death and Anti-Death Series. (Palo Alto, California: Ria University Press, 2007) (w/ Rebecca Roache).
- (176) “The Meta-Newcomb Problem”, reprinted in *Linguistic and Philosophical Investigations*, Vol. 6 (2007): pp. 160-161.
- (177) “The Epistemological Mystique of Self-Locating Belief”, reprinted in *Linguistic and Philosophical Investigations*, Vol. 6 (2007): pp. 51-60.
- (178) “Existential Risks: Analyzing Human Extinction Scenarios and Related Hazards”, translated into Russian by Alexei Turchin: <http://proza.ru/2007/04/04-210>, 2007 (originally published in *Journal of Evolution and Technology* (2002), Vol. 9.)
- (179) “Ethical Issues in Advanced Artificial Intelligence”, reprinted in *Contemporary Issues Companion: Artificial Intelligence*, ed. Uma Kukathas (Thomson Gale: 2007).
- (180) “Transhumanist FAQ” [“TO TPANZOYMANISTIKO FAQ”], translation into Greek by Spiros Mandros for *The Transhumanist FAQ*, v.2.1: [www.transhumanism.org/index.php/WTA/more/1290/](http://www.transhumanism.org/index.php/WTA/more/1290/) (originally published in 2004).
- (181) “Technological Revolutions: Ethics and Policy in the Dark”, reprinted with a new Foreword in *On Wisdom*, ed. Julian Savulescu (Oxford: Oxford Uehiro Center for Practical Ethics, 2007).
- (182) “Astronomical Waste: The Opportunity Cost of Delayed Technological Development”, reprinted in *Review of Contemporary Philosophy*, Vol. 6, pp. 121-128.
- (183) “Human Genetic Enhancements: A Transhumanist Perspective”, reprinted in *Review of Contemporary Philosophy*, Vol. 6 (2007): pp. 42-58.
- (184) “Transhumanism: The World’s Most Dangerous Idea?”, reprinted in *Analysis and Metaphysics*, Vol. 6 (2007): pp. 35-39. (This is an expanded version of earlier note in *Foreign Policy*.)
- (185) “The Singularity”, translated into Romanian [“Bun venit în lumea schimbărilor exponențiale”] for *Net SF*, 30 March 2006.
- (186) “The Simulation Argument”, reprinted in *Doing Philosophy: An Introduction through Thought Experiments*, 3rd edition by Theodor Shick and Lewis Vaughn (McGraw Hill, 2006)
- (187) “The Future of Human Evolution”, reprinted in *Futurology- Forecasts and Initiatives*, ed. P. Bala Bhaskaran (ICFAI University Press, Hyderabad, 2006).
- (188) “How Long Before Superintelligence?”, reprinted with a new postscript in *Linguistic and Philosophical Investigations*, Vol. 5, No. 1 (2006), pp. 11-30.
- (189) “A Letter from Utopia”, translated into Spanish [“Carta desde Utopía”] for *Tendencias Cientificas*, 28 January 2006.
- (190) “The Transhumanist FAQ, v. 2.1”, reprinted in *Linguistic and Philosophical Investigations*, Vol. 5, No. 2 (2006).

- (191) “A History of Transhumanist Thought”, reprinted in *Analysis and Metaphysics*, Vol. 5, No. 1-2 (2006).
- (192) “The Future of Human Evolution”, reprinted in *Analysis and Metaphysics*, Vol. 4, No. 1 (2005): pp. 54-75.
- (193) “The Fable of the Dragon-Tyrant”, reprinted in *Linguistic and Philosophical Investigations*, Vol. 4, No. 2 (2005): pp. 210-225.
- (194) “In Defense of Posthuman Dignity”, reprinted in *Linguistic and Philosophical Investigations*, Vol. 4, No. 2 (2005): pp. 62-74.
- (195) “A Short History of Transhumanist Thought”, reprinted in *Man into Superman*, by R.C.W. Ettinger, ed. Charles Tandy. Cultural Classics Series. (Palo Alto, California: Ria University Press, 2005): pp. 315-349. [Also, the book is dedicated to Nick Bostrom.]
- (196) “The Fable of the Dragon-Tyrant”, reprinted in *Death and Anti-Death (Volume 3): Two Hundred Years After Kant, Fifty Years After Turing*, ed. Charles Tandy. Death and Anti-Death Series. (Palo Alto, California: Ria University Press, 2005). (Also translated into Hebrew and Finnish.)
- (197) “Transhumanist Values”, reprinted in *Review of Contemporary Philosophy*, Vol. 4, No. 1-2, pp. 87-101. (Has also been translated into Slovenian.)
- (198) “The Fable of the Dragon-Tyrant”, translated into Spanish [“El envejecimiento es una tiránico dragón que puede ser abatido”] for *Megatendencias*, 20 August 2005.
- (199) “In Defence of Posthuman Dignity”, translated into Italian [“In Difesa della Dignità Postumana”] for *Bioethica*, Vol. 8, No. 4 (2005), pp. 33-47.
- (200) “Why Make a Matrix? And Why You Might Be In One”, reprinted in *Riverview Rants*, 2004.
- (201) “In Defence of Posthuman Dignity”, reprinted in *Physical Immortality*, 2<sup>nd</sup> quarter issue.
- (202) “The Future of Human Evolution”, reprinted in *Death and Anti-Death (Volume 2): Two Hundred Years After Kant, Fifty Years After Turing*, ed. Charles Tandy. Death and Anti-Death Series. (Palo Alto, California: Ria University Press, 2004): pp. 339-372.
- (203) “The Transhumanist FAQ v.2.1”, translated into German, Hungarian, Dutch, Italian, Polish, Finnish, and Spanish.
- (204) “The Transhumanist FAQ v.2.1”, extracts reprinted in *Current Controversies: Genetic Engineering*, ed. James D. Torr (Thomson Gale Press, 2006).
- (205) “The Fable of the Dragon Tyrant”, invited chapter reprint in *Death and Anti-Death: Two Hundred Years After Kant, Fifty Years After Turing*, ed. Charles Tandy. Death and Anti-Death Series. (Palo Alto, California: Ria University Press, 2004): pp. 67-88
- (206) “How Long Before Superintelligence?”, translated into Russian for *The Information Society: Stages of Evolution* (Midgard Publishing House: Saint-Petersburg, Russia).

(207) “The Simulation Argument: Why the Probability that You Are Living in the Matrix is Quite High”, reprinted in *ACP Intro to Visual Culture*, ed. Batterman (Thomson Learning, 2005)

(208) “The Mysteries of Self-Locating Belief and Anthropic Reasoning”, reprinted in *Essays from the Harvard Review of Philosophy*, ed. S. Phineas Upham (Open Court, 2006).

(209) “Are You Living in a Computer Simulation?”, translated into Spanish by Gerardo Santana Gómez Garrido: [www.simulation-argument.com/matrix-spanish.html](http://www.simulation-argument.com/matrix-spanish.html) (Times Higher Education Supplement, 16 May 2003).

(210) “Are You Living in a Computer Simulation?”, translated into Russian by T. Davydova: <http://alt-future.narod.ru/Future/bostrom3.htm>, 2003.

(211) “Are You Living In A Computer Simulation?”, reprinted in *Philosophical Quarterly*. Vol. 53, No. 211 (2003), pp. 243-255.

(212) “How Long Before Superintelligence?”, translated into Danish by Søren Steen Olsen for *Fremtidsorientering* nr. 5/6, 1999.

## MEDIA

Bostrom’s work has been covered extensively in the media. He has done some 500 interviews for television, radio, newspapers, documentaries, and magazines, including *BBC*, *CNN*, *NBC*, *ABC News*, *PBS*, *CBC*, *Discovery Channel*, *Financial Times*, *New York Times*, *Washington Times*, *The New Yorker*, *Der Spiegel*, *The Independent*, *the Telegraph*, *The Sunday Times*, *The Guardian*, *The Observer*, *Times Higher Educational Supplement*, *Le Devoir*, *Toronto and Ottawa Suns*, *L’Hebdo*, *Uitildnings Radion*, *Boston Globe*, *San Diego Union-Tribune*, *The Sunday Herald*, *Nature*, *New Scientist*, *Science & Avenir*, *Volkskrant*, *Discover Magazine*, *Forbes*, and others. (See separate Media List for details.)

## GRANTS

Total value of grants Bostrom obtained as primary or co-applicant: **\$15,234,970 [£9,899,090]**

- £5,500. Obtained research grant from various private donors for the Future of Humanity Institute (2012).
- £9,000. Obtained research grant from private donor for the Future of Humanity Institute (2012).
- \$30,000. Obtained research grant from private donor for the Future of Humanity Institute (2012).
- £72,000 . Total additional private grants obtained for the Future of Humanity Institute (2008-2012).
- £225,000. Obtained research grant from private donor for Programme on the Impacts of the Future Technology (2011-2013).
- £1,200,000. Obtained grant for the “Programme on the Impacts of Future Technology” project (2011-2014) for the Future of Humanity Institute, from the Oxford Martin School at Oxford University (2011).
- £108,000. Obtained extension grant (2012) for the Future of Humanity Institute from the Oxford Martin School at Oxford University (2011).
- £309,000. Obtained grant for the Future of Humanity Institute (2009-2011) from the Oxford Martin School at Oxford University (2008).
- \$ 63,000. Obtained donation from private donor for Oxford Future of Humanity Institute.
- \$ 4,035,000. Co-applicant in grant application to the Wellcome Trust for establishing at Oxford University a Neuroethics Center (2008)
- \$ 15,000. Obtained grant for the Oxford Future of Humanity Institute, from private donor (2008)

- \$ 10,000. Obtained grant for the Oxford Future of Humanity Institute, from private donor (2007)
- \$ 3,000,000. Participated in writing successful grant application for a project funded by the European Commission (EU) under the 6<sup>th</sup> Framework Programme: “Enhancing Human Capacities: Ethics, Regulation and European Policy” (2005)
- \$30,000. Obtained funding from private donor for the Oxford Future of Humanity Institute (2006)
- \$ 300,000. Obtained grant for the Oxford Future of Humanity Institute, from private donor (2005)
- \$ 1,632,000. Obtained grant for the Oxford Future of Humanity Institute from James Martin (2005)
- \$ 1,107,000. Collaborated in grant to set up new Programme on Ethics and the New Biosciences (2005)
- \$ 2,000,000. Collaborated in obtaining grant for the Oxford Center for the Science of the Mind, from the John Templeton Foundation (2004)
- \$ 10,000. Obtained grant for the WTA, from private donor (2004)
- \$ 20,000. Obtained personal research grant awarded by the John Templeton Foundation (1996)

### CONFERENCES AND WORKSHOPS ORGANIZED

1. *Winter Intelligence Conference 2012* (Oxford: 8 – 11 December 2012)
2. *Artificial General Intelligence Study Group* (regular meetings, Oxford: 2010-ongoing)
3. *Racing to the Precipice: Models of Risk-Increasing Competition Workshop*. (Oxford: 3 May 2011).
4. *Winter Intelligence Conference* (Oxford: 14-17 January 2011), including:  
*Symposium on Tim Bayne’s “The Unity of Consciousness”, Non-Standard Concepts of Intelligence, The Future of Machine Intelligence, and a Workshop on Intelligence Explosion.*
5. *Cognitive Enhancement Workshop and Symposium*. (Oxford: 27-28 June 2009)
6. *Uncertainty, Lags and Nonlinearity: Challenges to Governance in a Turbulent World*. Special event co-hosted with Oxford Institute for Ethics, Law and Armed Conflict (ELAC). (Oxford: 7 May 2009)
7. *Global Catastrophic Risks Symposium*. Co-hosted with the Organized Society for Risk Analysis. (Boston, MA, USA: 7-10 December 2008)
8. *Governance, Inequality and Biotechnological Advancement Workshop*. Co-hosted with the Programme of Ethics in the New Biosciences. (Oxford: 9 December 2008)
9. *Policy Foresight and Global Catastrophic Risks Conference*. (Oxford: 17-20 July 2008).
10. *Existential Risk Workshop*. (Oxford: autumn 2007)
11. *Bayesian Approaches to Agreement Conference*. (Oxford: 4 June 2007)
12. *Whole Brain Emulation Workshop*. (Oxford: 26-27 May 2007)
13. *FHI Methodology Workshop: Big Issues for Humanity*. Co-hosted with the Oxford Martin School in advance of the James Martin Institute inaugural 2006 World Forum. (Oxford: 13 March 2006)
14. *Bayesian Epistemology Conference*. (London, UK: 28 June 2004)



## INVITED KEYNOTES AND OTHER PRESENTATIONS

- (1) Invited Keynote Speaker: "The Challenges of Existential Risk", *Global Futures Forum (in conjunction with the U.S. Department of State and the Italian Intelligence Community), workshop on "Transformational Technologies #4: Implications for an Expanding Threat Environment"* (Rome, Italy: 16-18 September 2012)
- (2) Invited Plenary Speaker: "Crucial Considerations" for Plenary Session: "Future Scenarios: how long can we plan ahead?" *2012 Alpbach Technology Forum (Alpbach/Tyrol: 23-25 August 2012)*
- (3) Ricardo J. Quinones Distinguished Lecturer. *Claremont McKenna Gould Center for Humanistic Studies series on "Technology and Humanity"* (Claremont, CA: 13-14 February 2012)
- (4) Invited Panelist: "Human and Cognitive Enhancement: Do We Want Smarter, Faster, Better Humans?" *Oxford Martin School Seminar Series: "Can Emerging Technologies Save the World?"* (Oxford: 2 February 2012)
- (5) Invited Speaker: "Human Cognitive Enhancement", *Human Enhancement: A Symposium at Green Templeton College* (Oxford: 23 November 2011)
- (6) Invited Speaker: "Superintelligence: The Control Problem," *EWB-Oxford [part of Engineers Without Borders – UK]* (Oxford: 22 November 2011)
- (7) Invited Speaker: "Existential Risk and AI", *Oxford Transhumanist Society* (Oxford: 3 November 2011)
- (8) Invited Speaker: "Superintelligence: The Control Problem," *Cerberus: The Philosophy, Politics, and Economics Society at Balliol College, University of Oxford.* (Oxford: 26 October 2011)
- (9) Invited Speaker: "Superintelligence: The Control Problem", *Philosophy and Theory of Artificial Intelligence 2011 Conference.* (Thessaloniki, Greece: 3-4 October 2011)
- (10) Invited Speaker: "What Are the Most Important Global Challenges in Terms of Emerging Technologies?" and Session Leader: "Technology and Communications", *Global Scholars' Symposium (Gates Scholars of Cambridge University and Rhodes Scholars of Oxford University).* (Oxford: 6-7 May 2011)
- (11) Invited Panelist for *The Economist* session: "The World in 24 Years: Megatrends and Context for Large Scale Change", *8th annual Skoll World Forum on Social Entrepreneurship.* (Oxford: 1 April 2011)
- (12) Invited Panelist: "The Future of Mankind", *Leaders of Change Summit – Istanbul World Political Forum 2011.* (Istanbul, Turkey: 14-15 March, 2011)
- (13) Invited Session Chair: "Intergenerational Justice- What Do We Owe Future Generations?", *Oxford Martin School and the Oxford Institute of Ageing, Oxford University.* (Oxford: 27 January 2011)
- (14) Invited Agenda Council Expert Member: *World Economic Forum Summit on the Global Agenda.* (Dubai, UAE: 29 November - 1 December 2010)
- (15) Invited Speaker: "Technology: What the Consumer Wants", *10th Annual Bloomberg BusinessWeek European Leadership Forum.* (London, UK: 23-24 November 2010)

- (16) Invited Speaker: “Can We Foresee the Future?”, *31st Symposium of the VeerStichting*. (Leiden, Netherlands: 7-8 October 2010)
- (17) Respondent to presentation by Milan Cirkovic on “Philosophical Aspects of SETI: Undermining the Traditional Skeptical Arguments”, *James Martin Seminar, Oxford Martin School*. (Oxford: 13 October 2010)
- (18) Invited Guest Speaker: “The Future of Humanity”, *Oxford University Alumni Weekend*. (Oxford: 26 September 2010)
- (19) “Existential Risks”, *Conference on the Ethics of Emerging Technologies, Oxford Uehiro Centre for Practical Ethics*. (Oxford: 1 July 2010)
- (20) Invited NGO Presentation: “Cyber-Security and Risk Management”, *BAE Systems and the Oxford Martin School*. (Oxford: 15 June 2010)
- (21) Invitee Panelist: “Waiting for Superman”, *Nexus Conference: What Is Next for the West? Superman Meets Beethoven*. (Amsterdam, Netherlands: 11 June 2010)
- (22) Invited Agenda Council Expert Member: *World Economic Forum’s Global Redesign Summit*. (Doha, Qatar: 30-31 May 2010)
- (23) Keynote Address: “Reducing Existential Risks”, *Humanity + Conference*. (London, UK: 24 April 2010)
- (24) Invited Speaker: *Hard Problems in Social Sciences, Harvard University*. (Cambridge, MA, USA: 10 April 2010): [http://bit.ly/Hard\\_Problems\\_Harvard](http://bit.ly/Hard_Problems_Harvard).
- (25) Invited Speaker: “Global Catastrophic Risks: Methodology of the Big Picture”, *Future Scenarios Seminar for ICCD – Leatid European Center for Jewish Leadership and the American Jewish Joint Distribution Committee (JDC)*. (Oxford: 6 March 2010)
- (26) Invited NGO presentation on catastrophic risk and risk models to *Amlin (Lloyd’s Insurance Group) and the Oxford Martin School*. (Oxford: 5 February 2010)
- (27) “Whole Brain Emulation”, *Pennsylvania University, Program for Cognitive Sciences*. (Philadelphia, USA: 3 December 2009)
- (28) “Transhumanism: A Critical Appraisal”, *Pennsylvania University, Center for Bioethics*. (Philadelphia, USA: 2 December 2009)
- (29) “Existential Risks”, *Pennsylvania University, Center for Bioethics*. (Philadelphia, USA: 2 December 2009)
- (30) “Global Catastrophic Risks”, *Chancellor’s Court of Benefactors*. (Oxford: 1 October 2009)
- (31) Keynote Address: “Global Risks and Emerging Technologies”, *16<sup>th</sup> Biennial Conference of the Society for Philosophy and Technology*. (Twente, Netherlands: 8-10 July 2009)
- (32) Opening Keynote Speaker: “Global Risks and Opportunities”, *Guardian Activate Summit 09*. (London, UK: 1 July 2009)

- (33) “Socio-Economic and Ethical Issues in Weak Cognitive Enhancement”, *Cognitive Enhancement Symposium*. (Oxford: 27 June 2009)
- (34) Invited Keynote Address: “Global Catastrophic Risks”, *Booz Allen private event*. (McLean, VA, USA: 15 June 2009)
- (35) Invited Panelist: “Infinite Worlds: A Journey through Parallel Universes – The Multiverse”, *The World Science Festival*. (New York, USA: 10-14 June 2009).
- (36) Invited Speaker: “Are We Living in a Computer Simulation?”, *The World Science Festival*. (New York, USA: 10-14 June 2009).
- (37) Invited Keynote Address: “Human Enhancement: Methods, Issues, and Timelines”, *TISA Symposium at the London Chamber of Commerce*. (London, UK: 10 June 2009)
- (38) “Transhumanism: A Critical Look”, *The Oxford-Manchester Moral Science Workshop*. (Oxford: 18 May 2009)
- (39) “Issues in Assessment: Techniques for Biological Risk”, *Developing New Approaches to Biological Risk Assessment, organized by the Royal Society and The International Council for the Life Sciences*. (London, UK: 19 February 2009)
- (40) “Future of Humanity Issues”, *Doug’s Lunch, Balliol College graduate luncheon discussion, Oxford University*. (Oxford: 12 February 2009)
- (41) Panel Debate on “The End of the World”, *Oxford Union, Oxford University*. (Oxford: 22 November 2008)
- (42) “Cognitive Enhancement”, *Panel organized by Nature magazine*. (London, UK: 13 October 2008)
- (43) “Dignity as a Quality”, *President’s Council on Bioethics and Harvard Law School*. (Cambridge, MA, USA: 24 September 2008)
- (44) “Rational Philanthropy” with Martin Rees, *Science Foo Camp, organized by Nature, Google, and O’Reilly*. (Googleplex, California, USA: 8-10 August 2008)
- (45) “Existential Risks” with Martin Rees, *Science Foo Camp, organized by Nature, Google, and O’Reilly*. (Googleplex, California, USA: 8-10 August 2008)
- (46) “Extraterrestrials and the Fermi Paradox” with Martin Rees, *Science Foo Camp, organized by Nature, Google, and O’Reilly*. (Googleplex, California, USA: 8-10 August 2008)
- (47) Opening Presentation: “Catastrophic Risks”, *Policy Foresight Programme Workshop*. (Oxford: 21 July)
- (48) Keynote Address: “Global Catastrophic Risks”, *Global Catastrophic Risks Conference* (Oxford: 18 July 2008)
- (49) “Global Catastrophic Risks: An Overview”, *Book Launch of the book Global Catastrophic Risks* (Oxford: 17 July 2008)
- (50) Invited Discussion Leader: “Do We Need Gurus?”, *Agora*. (Scottsdale AZ, USA: 30 March 2008)

(51) Invited Speaker: “The Ethics of Artificial Minds”, *Robot & Rights*, organized by BioCentre: Centre for Bioethics & Public Policy. (London, UK: 15 January 2008)

(52) “The Ethics of Human Enhancement: The Reversal Test”, *St Cross Special Ethics Seminar, Oxford University*. (Oxford: 6 November 2007)

(53) After-Dinner Keynote Speaker: “The Future of Humanity”, *Pension Fund Investment World Conference* for pension fund managers. (Berlin, Germany: 5 November 2007)

(54) “The Wisdom of Nature: An Evolutionary Heuristic for Human Enhancement”, *St. Cross College Colloquium, Oxford University*. (Oxford: 30 October 2007)

(55) “The Future of Humanity”, *James Martin School Seminar, James Martin 21<sup>st</sup> Century School*. (Oxford: 25 October)

(56) Invited Plenary Speaker: “The Values that Should Guide Us in Managing the Fast-Expanding Frontier of Science and Technology”, *Women’s Forum for the Economy and Society 2007*. (Deuville, France: 11-13 October 2007)

(57) “The Reversal Test: Status Quo Bias in Bioethics”, *The 11<sup>th</sup> Annual Jus Lecture at the University of Toronto*. (Toronto, Canada: 27 September 2007)

(58) Featured Speaker: “My Challenges for the Next 15 Years”, *The Second Annual Global Creative Leadership Summit – “a unique platform for the best minds of our generation”*, organized by LTB Foundation with support from the UN Fund for International Partnerships (UNFIP). (New York City, USA: 23-25 September 2007)

(59) Invited speaker: “The Future of Humanity”, *TransVision 2007 Conference*. (Chicago, USA: 24-26 July 2007)

(60) Invited Speaker: “Ethical Objections to Life Extension”, *Securing the Longevity Dividend Symposium*. (Chicago, 23 July 2007)

(61) Keynote Speaker: “The Future of Humanity”, *Sedbergh Festival of Ideas* (Sedbergh, UK: 20-22 July 2007)

(62) Invited Speaker: “Enhancements: A Practical Approach”, *Enhancement and Genetics*. (Jena, Germany: 22-24 June 2007)

(63) Keynote Presentation: “Cognitive Enhancement: Methods, Ethics, and Challenges for Policy”, *Oxford Forum for the Medical Humanities: Neuroethics Symposium*. (Oxford: 11 May 2007)

(64) Invited Session Chair: “Policy Issues”, *The Human Enhancement Colloquium at the British Ambassador’s Residence* (The Hague, Netherlands: 10 May 2007)

(65) “Dignity and Enhancement”, *Cognitive Enhancement Conference organized by the ENHANCE project*. (Stockholm, Sweden: 27-28 March 2007)

(66) Invited Presentation: “Ethical and Social implications of Cognitive Enhancement”, *Cognitive Enhancement Workshop, organized by the British Medical Association* (London, UK: 24 November 2006)

- (67) Invited Debate Panellist: “Will Our Grandchildren be Robotic?”, *The BBC Festival of Ideas*, broadcast on *Radio 3*. (Liverpool, UK: 5 November 2006)
- (68) “Dignity and Enhancement”, *James Martin Advanced Research Seminar*, *Oxford University* (Oxford: 20 October 2006)
- (69) Special Invited Forum Speaker: “The Big Picture for Humanity”, *Rutherford Appleton Laboratory* (Abingdon, UK: 6 October 2006)
- (70) Invited Keynote Address: “Political and Ethical Challenges for Society from the Prospect of Life-Extension”, *2<sup>nd</sup> World Aging & Generations Congress*. (St. Gallen, Switzerland: 27-29 September 2006)
- (71) Invited Lecture: “Wiser and Smarter”, *Annual Investors Forum 2006*, organized by *Oxford Capital Partners, Saïd Business School*. (Oxford: 20 September 2006)
- (72) Invited Closing Address: “What Is Enhancement?”, *TransVision 2006*. (Helsinki, Finland: 17-19 August 2006)
- (73) Invited Opening Plenary: “An Evolutionary Heuristic for Identifying Promising Human Enhancements”, *TransVision 2006*. (Helsinki, Finland: 17-19 August 2006)
- (74) “A Practical Approach to Human Enhancement”, *Satellite meeting to the 8<sup>th</sup> World Congress in Bioethics*. (Beijing, China: 5 August 2006)
- (75) Invited Lecture “The Future of Aging”, *The Wellcome Trust*. (London, UK: 26 July 2006)
- (76) Invited Presentation: “Human Enhancement and Sports Enhancement”, *The Science and Technology Select Committee, House of Commons* (UK parliament). (London, UK: 21 June 2006)
- (77) Invited Closing Keynote: “Posthuman Dignity and the Rights of Artificial Minds”, *Human Enhancement Technologies and Human Rights Conference, IEET and Stanford University Law School* (San Francisco, CA, USA: 26-28 May 2006)
- (78) Invited Speaker: “The Simulation Argument”, for *Stanford University’s ‘annually hosted special lectures by speakers who have made distinguished contributions to the theory or applications of symbolic systems’*. (Palo Alto, CA, USA: 19 May 2006)
- (79) Invited Keynote: “Existential Risks and Artificial Intelligence”, *The Singularity Summit* (Palo Alto, CA, USA: 13 May 2006)
- (80) “Consequences of Cognitive Enhancement”, *ENHANCE workshop presentation* (Oxford: 4 May 2006)
- (81) Invited Lecture: “Human Capital”, *The Royal Society for the Encouragement of Arts, Manufactures, and Commerce*. (London, UK: 22 March 2006)
- (82) Invited Plenary Presentation: “Cognitive Enhancement”, *The World Forum for Science and Civilization*. (Oxford: 14-17 March 2006)

- (83) Invited Presentation: “Existential Risks: What’s the Probability That Humanity Will Go Extinct in the 21<sup>st</sup> Century? What Can We Do to Reduce the Probability?”, *The World Forum for Science and Civilization*. (Oxford: 14-17 March 2006)
- (84) Invited Keynote Address: “Human Enhancement, Transhumanism, and Genetics”, *Great Expectations: On Our Genetic Future Conference* (Amsterdam, Netherlands: 21 February 2006)
- (85) Invited Speaker: “Transhumanist Values”, *Institute for Science, Innovation & Society*. (Nijmegen, Netherlands: 21 February 2006)
- (86) Invited Speaker: “Cognitive Enhancement”, *Forbidding Science: Balancing Freedom, Security, Innovation & Precaution Conference* (Tempe, AZ, USA: 10-11 January 2006)
- (87) Invited Closing Keynote Presentation: “The Transhumanist Vision”, *The Future of Human Nature: Science, Ethics, and Democracy, University of Utah*. (Utah, USA: 2006)
- (88) Invited Speaker: “Status Quo Bias in Bioethics”, *DeCamp Seminar Series at the Princeton Center for Human Values*. (Princeton, NJ, USA: 30 November 2005)
- (89) Invited Presentation: “Recent Developments in the Ethics of Extreme Life-Extension”, *Aging Population 2005 Conference*. (Oxford: 7-9 September 2005)
- (90) Invited Closing Keynote Presentation: “Transhumanism and Bioethics: A Map of the Terrain and Recent Theoretical Developments”, *TransVision05* (Caracas, Venezuela: 22-24 July 2005)
- (91) Invited Opening Keynote Presentation: “Introduction to Transhumanism”, *TransVision05* (Caracas, Venezuela: 22-24 July 2005)
- (92) Invited Presentation: “The Three Biggest Problems for Humanity”, *TED-GLOBAL Conference* (Oxford: 12-15 July 2005)
- (93) Invited Presentation: “Transhumanism – An Overview”, *Social Science Week, James Martin Institute, Oxford University*. (Oxford: 23 June 2005)
- (94) Invited Presentation: “Status Quo Bias in Bioethics: The Case for Cognitive Enhancement”, *The Oxford-Scandinavia Ethics Summit*. (Oxford: 13-15 June 2005)
- (95) Invited Presentation: “Status Quo Bias in Bioethics?”, *Sports & Medicine Ethics Conference*. (Stockholm, Sweden: 23-24 May 2005)
- (96) Invited Speaker: “Predictions from Infinite Cosmological Models: Towards a Solution of the Measure Problem”, *Multiverse and String Theory: Towards Ultimate Explanations in Cosmology*. (Palo Alto, CA, USA: 19-21 March 2005)
- (97) Invited Speaker: “Human Cloning: Ethics and Consequences”, *Oxford Cafe Scientifique, part of the Oxford Women’s Festival*. (Oxford: 8 February 2005)
- (98) Invited Presentation: “Facing Science”, *Images of Science Conference, organized by the All European Academies of Science*. (Amsterdam, Netherlands: 6-7 December 2004)

- (99) Invited Presentation: "Status Quo Bias and Human Enhancement", *How Can Human Nature Be Ethically Improved? conference* (New York, USA: 18-19 November 2004)
- (100) Invited Presentation: "The Simulation Argument", *Filosofiska Fakulteten, Lund University*. (Lund, Sweden, 4 November 2004)
- (101) Invited Presentation: "Transhumanism", *The Face of the Future: Technosapiens?* (Washington D.C., USA: 28-29 October 2004)
- (102) Invited Presentation: "Are You Living in a Computer Simulation?", *ExtroBritannia* (Oxford: 9 October 2004)
- (103) Invited Keynote Address: "Human Enhancement: Answering the Why Question", *TransVision05 conference* (Toronto, Canada: 6-8 August 2004)
- (104) Invited Presentation: "Introduction to Transhumanism", *TransVision05 conference* (Toronto, Canada: 6-8 August 2004)
- (105) Invited Presentation: "Religion and Transhumanism", *Faith, Transhumanism and Hope Symposium*. (Toronto, Canada: 5 August 2004)
- (106) Invited Presentation: "Responding to Brent Waters", *Christian-Transhumanist Conversation workshop*. (Oxford: 26 July 2004)
- (107) Invited Presentation: "Observation Selection Theory", *Degrees of Belief Conference*. (Konstanz, Germany: 22-24 July 2004)
- (108) Invited Presentation: "Extending Human Reach: In Defence of a Posthuman Future", *A Posthuman Future*. (Oxford: 19-22 July 2004)
- (109) "The Paralysis of Ethics in Our Possibly Infinite Universe", *Aristotelian Society – Mind Association Joint Session*. (Canterbury, UK: 9-12 July 2004)
- (110) Invited Presentation: "Bayesian Epistemology and Indexical Information", *Bayesian Epistemology Workshop*. (London, UK: 28 July 2004)
- (111) Invited Presentation: "Human Enhancement and Dignity", *The European Group on Ethics in Science and New Technologies*. (Brussels, Belgium: 15 June 2004)
- (112) Invited Presentation: "Self-locating Belief in an Infinite Spacetime", *Foundational and Philosophical Issues in Spacetime Theories, organized by the European Science Foundation*. (Oxford: 14-17 March 2004)
- (113) Invited Presentation: "The Simulation Argument: Why the Probability that You are Living in the Matrix is Quite High", *St. John's College Moral Sciences Seminar, Cambridge University* (Cambridge, UK: 28 October 2003)
- (114) Invited Presentation: "Anthropic Bias: Observation Selection Effects in Science and Philosophy", *Liverpool Stapleton Society, Liverpool University*. (Liverpool, UK: 27 October 2003).

- (115) "Observation Selection and the Big Picture", *Accelerating Change Conference 2003, Stanford University*. (Palo Alto, CA, USA: 12-14 September 2003)
- (116) Invited Presentation: "In Defence of Posthuman Dignity", *European Science Foundation Workshop on Science and Human Values*. (Oxford: 2003)
- (117) "Anthropic Reasoning and Observation Selection Effects", *12<sup>th</sup> International Congress of Logic Methodology and Philosophy of Science*. (Ovideo, Spain: 2003)
- (118) "Are You Living in a Computer Simulation?", *12<sup>th</sup> International Congress of Logic Methodology and Philosophy of Science*. (Ovideo, Spain: 2003)
- (119) "Enhancing Human Capacities: Transhumanist Ethics of Technology", *12<sup>th</sup> International Congress of Logic Methodology and Philosophy of Science*. (Ovideo, Spain: 2003)
- (120) Invited Guest: "Transhumanism", Oxford Theological Seminar series. (Oxford: 4 August 2003)
- (121) Invited Speaker: "The Ethics of Superintelligent Machines", *InterSymp'2003 Conference, organized by the International Institute for Advanced Studies in Systems Research and Cybernetics*. (Baden-Baden, Germany: 28 July-2 August 2003).
- (122) "Are You Living in a Computer Simulation?", *Aristotelian-Mind Association Joint Conference*. (Belfast, UK: 18-20 July 2003)
- (123) "Observation Selection Theory and the Many-Worlds Version of Quantum Mechanics", *British Society for the Philosophy of Science Conference*. (Belfast, UK: 18-20 July 2003)
- (124) Invited Keynote: "Our Human and Posthuman Dignity", *Transvision 2003: The Adaptable Human Body Conference, Yale University* (New Haven, CT, USA: 27-29 June 2003)
- (125) Invited Speaker: "Our Human and Posthuman Dignity", *The Ian Ramsey Centre*. (Oxford: 6 June 2003)
- (126) Seminar Presentation: "Human Genetic Enhancements", *Oxford Uehiro Centre for Practical Ethics*, (Oxford: 2003)
- (127) Invited Speaker: "Observation Selection Effects and Cosmological Fine-tuning", *Multiverse Symposium, Stanford University*. (Palo Alto, CA, USA: 27-29 March 2003)
- (128) Invited Presentation: "Observation Selection Theory and the Sleeping Beauty Problem", *Oxford-Princeton Probability Workshop*. (Oxford: 17-19 March 2003)
- (129) Invited Presentation: "Are You Living in a Computer Simulation?", *Birkbeck Philosophy Society*. (London, UK: 11 February 2003)
- (130) "Are Cosmological Theories Compatible with All Possible Evidence?", *The Philosophy of Science Association*. (Milwaukee, WI, USA: 7-10 November 2002)
- (131) "Desire, Time, and Ethical Weight", *Aristotelian-Mind Association Joint Session* (UK: 5-6 July 2002)



- (132) “Are Cosmological Theories Compatible with All Possible Evidence?”, *British Society for the Philosophy of Science* (UK: 4-5 July 2002)
- (133) “Are You Living in a Computer Simulation?”, *Fourth European Congress for Analytic Philosophy*. (Lund, Sweden: 14-18 June 2002)
- (134) “The Epistemological Mystique of Self-Locating Belief”, *American Philosophical Association, Central Division Meeting* (Chicago, USA: 24-27 April 2002)
- (135) Invited Speaker: “Transhumanist Priorities”, *The Technology of Humanity Conference: Can Technology Contribute to the Quality of Life?*, *Institute of Psychology, Illinois Institute of Technology*. (Chicago, USA: 5 April 2002)
- (136) “The Transhumanist Perspective on Germ-Line Enhancements”, *The End of Natural Motherhood? Artificial Wombs and Designer Babies* (Tulsa, OK, USA: 22-23 February 2002)
- (137) “The Ethics of Superintelligence”, *4S Conference* (Boston, MA, USA: November 2001)
- (138) “Transhumanist Values”, *Morality in the 21<sup>st</sup> Century* (Newark, NJ, USA: October 2001)
- (139) Invited Lecture: “The Future of Humankind, Transhumanism, and Technology”, *The Yale Philosophical Society*. (New Haven, CT, USA: 11 October 2001)
- (140) Invited Lecture: “Who Belongs to the Moral Community? Towards Transhumanist Ethics”, *Hersher Institute for Applied Ethics, Sacred Heart University*. (Fairfield, CT, USA: 10 October 2001)
- (141) “The Epistemological Mystique of Self-Locating Belief”, *British Society for the Philosophy of Science Conference* (York, UK: 5-6 July 2001)
- (142) “Existential Risks”, *TransVision 2001*. (Berlin, Germany: 22-24 June 2001)
- (143) “The Ethics of Superintelligence”, *Yale Bioethics Group*. (New Haven, CT, USA: 2 May 2001)
- (144) “Bangs, Whimpers, Shrieks, and Crunches: How Things Could Go Horribly Wrong”, *Foresight Senior Associates Gathering, Stanford University*. (Palo Alto, CA, USA: 20-22 April 2001)
- (145) “Cortical Integration: How to Store Complex Representations in Long-Term Memory”, *ASSC4*. (Brussels, Belgium: 29 June – 2 July 2000)
- (146) Discussion Moderator: “Workshop on Robotics”, *Foresight Senior Associates Gathering, Stanford University*. (Palo Alto, CA, USA: 19-21 July 2000)
- (147) “Observation Theory and Its Applications in Cosmology, Evolution Theory and Other Fields”, *Transvision MM*. (London, UK: 15-16 July 2000)
- (148) “How to Derive Observational Consequences from Cosmological Theories”, *British Society for the Philosophy of Science Conference*. (Sheffield, UK: 6-7 July 2000)
- (149) “Transhumanism”, (Invited speaker) *Inform: Seminar XXIV*. (London, UK: 6 May 2000)

(150) “A Subjectivist Theory of Objective Probability”, *British Society for the Philosophy of Science Conference*. (Nottingham, UK: 8-9 July 1999)

(151) Invited Speaker: “Towards a Transhumanist Medical Ethics”, *TransVision99*. (Stockholm, Sweden: 5-6 May 1999)

(152) “What Is Transhumanism?”, *Ninth General Assembly of the World Future Society*. (Washington, D.C., USA: 28 July – 1 August 1999)

(153) Invited Speaker: “Presenting Transhumanism to the Media”, *Extro-4*. (Berkeley, CA, USA: 7-8 August 1999)

(154) Invited Speaker: “Unsolved Doomsday Argument Problems”, *Conference on “The End of the World”*, *University of London School of Advanced Study*. (London, UK: 6 November 1998)

(155) “The World Transhumanist Association”, *TransVision98*. (Veesp, Netherlands: 1998)

(156) “Predictions from Philosophy?”, *Annual Meeting of the Society for the Philosophy of Technology* (Dusseldorf, Germany: 1997)

## TEACHING

### Oxford

- *James Martin Advanced Research Seminars*. 2006 – 2012. Weekly seminars for graduate students and research staff, three terms each year, together with Prof. Julian Savulescu
- *Applied Ethics: The Future of Humanity*. 2005. Graduate seminar
- *The Nature of Science and Scientific Reasoning*. 2005. Graduate course
- *Applied Ethics*. 2005. 3<sup>rd</sup>-year thesis supervision on the moral status of the embryo
- *Methods in Applied Ethics*. 2004. Graduate seminar together with Julian Savulescu
- *Applied Ethics: Human Enhancement, Artificial Beings, and the Future of Humanity*. 2004. Graduate lecture series together with Julian Savulescu
- *Medical Ethics*. 2004. Tutorials
- *The Nature of Science*. 2003, 2004. Graduate course

### Yale

- *The Ethics and Policy of New Technologies*. 2002. New course
- *Philosophy of Science*, 2000, 2001

### London School of Economics

- *Ethics*. 1999, 2000, TA
- *Political Philosophy*. 1999, 2000, TA
- *Problems and Methodology of Philosophy*. 1998 - 1999 (2-semester course), TA
- *Logic*. 1997-1998 (2-semester course), TA and vicarious lecturer

## RESEARCH GROUPS

*Enhancing Human Capacities: Ethics, Regulation and European Policy (ENHANCE)*. 2005 - 2007. Principal investigator in a 5-nation research consortium, funded by the European commission under the 6<sup>th</sup> Framework Programme.

*Oxford Center for Science of the Mind (OXCSOM)*. 2005 - 2007. One of the original proposal writers.

*Technology and Ethics Working Group*. 2000 - 2001. Creating and chairing a research group under the Yale Bioethics Project, together with Dr. Bonnie Kaplan, focused on the ethics of human enhancement-technologies and related issues.

## **POLICY ADVICE AND CONSULTATION**

- (1) Advising on the creation of the Cambridge Project on Existential Risks, which aims to establish the Cambridge Centre for the Study of Existential Risks, 2012.
- (2) Consultation for Mark Lee, Oliver Careful and Matt Wage, who are working for the international society, *Giving What We Can*, on existential risk reduction, 2012.
- (3) Consultant to the *UK Government Office for Science (GOSE)* and Foresight for “The Future of Human Identity” report (with Anders Sandberg), 2011.
- (4) Consultant to Edinethics Ltd about human enhancement issues for the *European Commission Project “ETHENTECH”*, 2011.
- (5) Consultant to the *MacArthur Foundation* (the international peace and security program) regarding nuclear security and existential risk, 2011.
- (6) Proposal Reviewer for the *National Science Foundation* for the Science, Technology, and Society Program, 2011.
- (7) Advising *DST* about talking points for its CEO’s (Yuri Milner) roundtable discussion with the leaders of the G8 countries for the 37th Annual G8 Leaders Summit, in Deauville, France, 2011.
- (8) Expert Member for *World Economic Forum’s* Agenda Council for Catastrophic Risks, survey on Global Risks Perceptions, 2010-2011.
- (9) Expert Member for *World Economic Forum’s* GAC on Catastrophic Risks, 2010-2011.
- (10) Expert Member for *World Economic Forum’s* Global Redesign Initiative, 2010-2011.
- (11) Discussing with *Deep Mind* a new AGI research company with links to the Gatsby Computational Neuroscience Unit, University College London (UCL), 2010-2011.
- (12) Consultation with *Talkback Thames Television* and the Oxford Martin School, 2011.
- (13) Consultation/presentation. “Breakthroughs in Technology – Impacts for Humanity” for Symposium Future 2020 with *Vodafone* and the Oxford Martin School, 2011.
- (14) Consultation for the Science for Humanity “*Global Risk Register*” project, 2010.
- (15) Consultation on systemic risk with *BAE Systems* (Global Combat Systems, Land & Armaments divisions), 2010.

- (16) Consultation to *Foresight Horizon Scanning Centre, Government Office for Science (GOSE)* about technological advancements and the consequent likely risks to public policy, 2010.
- (17) Consultation to *Amlin (Aggregate Modeling division)* on systemic risk, 2010.
- (18) Consultation for *US State Department's Global Futures Forum*, 2010.
- (19) Public Service Division, *Prime Minister's Office*, Singapore, 2009.
- (20) *Cushing Academy*, advising on development of a curriculum for the 21<sup>st</sup> century, with a focus on developing modules for teaching meta-cognitive skills, 2008-2009.
- (21) *Macdonald High School*: advice on curriculum development, 2008.
- (22) Informal consultation for *Booz Allen* on catastrophic risk, 2008.
- (23) By invitation, offering advice and suggestions on the stakeholder consultation process "Regulating Nanotechnologies in the EU and the U.S.: Towards Effectiveness and Convergence", 2008.
- (24) Co-organized policy forum on catastrophic risk assessment and preparedness with representatives from HM government, 2008.
- (25) One policymaker briefing paper developed with Eric Knight, 2008.
- (26) *Princess of Thailand's Miracle of Life Foundation*, on panel advising on how the foundation can achieve its aim of identifying talented children from disadvantaged background and giving them opportunities to achieve their potential, 2008.
- (27) *Horizon Scanning (London)*, supported by and aimed at informing the UK Minister of Education, about opportunities and challenges in education and biology-supported learning, 2008.
- (28) Advising the *Science Museum (London)* on content related to an exhibition on "the science of survival", 2007.
- (29) Advising the UK's *National Endowment for the Sciences, Technology, and Arts* on developing a new 5 year £25m Talent Fund, 2007.
- (30) Advising the *Parliamentary Office of Science and Technology (POST)* on the subject of cognitive enhancers and associated ethical issues, 2007.
- (31) Advisory roundtable on cognitive enhancement for the *British Medical Association and the Royal Institution (London)*, 2006.
- (32) Advising the *European Commission* on the implementation of the information and communication technologies (ICT) theme in the Community 7th Framework Programme for Research and Technological Development (for 2007-2013), Brussels, 2006.
- (33) London brainstorming meeting with organizers to select science and technology topic for the next *World Economic Forum in Davos*, 2006.

(34) Expert advisor for the *STOA-panel of the European Parliament* (Brussels) on NBIC convergence and human enhancement, 2006.

(35) Expert advisor for the *Science and Technology Select Committee, House of Commons* (UK Parliament) on human enhancement policy issues, particularly sports enhancement, 2006.

(36) Invited essay for the *President's Council on Bioethics* on the concept of human dignity and its application in current bioethics controversies, 2006.

(37) Occasional consulting services for the *Gerson Lehrman Group* on a variety of topics, 2006.

(38) On the planning committee for the Government consultation exercise on the Wider Implications of Science and Technology, focusing on nanotechnology policy issues, organized by the Horizon Scanning Center at the Office of Science and Technology, 2005.

(39) Advising for *The European Group on Ethics in Science and New Technologies*, an advisory body to the European Commission (Brussels), 2004.

(40) Consultant for the *Central Intelligence Agency's Strategic Assessments Group* (Washington, DC), 2004.

(41) Expert consultant for the *European Commission* as evaluator of framework proposals for the program on Cognitive Systems (Brussels), 2003.

(42) Consulting for Proctor & Gamble on the impact of future technologies (London), 1998.

## REFEREEING

### Journal papers

*American Journal of Physics, Mind, Ethics, Foundations of Physics, British Journal for the Philosophy of Science, Australasian Journal of Philosophy, Philosophy of Science, Foundations of Science, Philosophical Quarterly, Journal of Evolution and Technology, Electronic Journal of Biotechnology, Studies in History and Philosophy of Modern Physics, Journal of Applied Ethics, Biology and Philosophy, Synthese, Utilitas, Ecology and Society, Bioethics, Ethical Theory and Moral Practice, and Journal of Medical Ethics.*

### Book manuscripts

Oxford University Press, Princeton University Press

## OTHER PROFESSIONAL SERVICE

Internal Examiner for DPhil thesis in Moral and Political Philosophy, Faculty of Philosophy, Oxford University, 2012.

Internal Examiner for DPhil thesis in Applied Ethics, Faculty of Philosophy, Oxford University, 2011.

Internal Examination for MPhil thesis in Moral Philosophy, Faculty of Philosophy, Oxford University, 2011.

Chair of Selection Committee for the James Martin Postdoctoral Research Fellowship: Philosophy, for the Programme on the Impacts of Future Technology and the Future of Humanity Institute, Faculty of Philosophy and Oxford Martin School, Oxford University, 2011.

Chair of Selection Committee for the James Martin Postdoctoral Research Fellowship: Future of Computing and Cognitive Systems, for the Programme on the Impacts of Future Technology and the Future of Humanity Institute, Faculty of Philosophy and Oxford Martin School, Oxford University, 2011.

Chair of Selection Committee for the James Martin Academic Project Manager for the Programme on the Impacts of Future Technology and the Future of Humanity Institute, Faculty of Philosophy and Oxford Martin School, Oxford University, 2011.

Member of Selection Committee for the Postdoctoral Research Fellowship in Moral Cognition for the Oxford Uehiro Centre for Practical Ethics and the Oxford Centre for Neuroethics, Faculty of Philosophy, Oxford University, 2010.

Chair of Selection Committee for the James Martin Postdoctoral Research Fellowship, for the Future of Humanity Institute, Faculty of Philosophy and Oxford Martin School, Oxford University, 2009-2010

Chair of Selection Committee for the James Martin Postdoctoral Research Fellowship in Global Risk Modeling, for the Future of Humanity Institute, Faculty of Philosophy and Oxford Martin School, Oxford University, 2009

Chair of Selection Committee for the James Martin Projects Officer for the Future of Humanity Institute, Faculty of Philosophy and Oxford Martin School, Oxford University, 2009.

Chair of Selection Committee for the James Martin Projects Officer for the Programme on Ethics in the New Biosciences, Faculty of Philosophy and Oxford Martin School, Oxford University, 2007.

Chair of Selection Committee for the James Martin Projects Officer for the Future of Humanity Institute, Faculty of Philosophy and Oxford Martin School, Oxford University, 2007.

Reviewer of funding application for the Economic and Social Research Council, 2006.

Member of Selection Committee for the Postdoctoral Fellowship in the Neuroscience of Consciousness, for the Oxford Centre for Science of the Mind (OXCSOM), Faculty of Philosophy, Oxford University, 2006

Chair of Selection Committee for the Senior Research Fellow (Assistant Director): Ethics, for the Future of Humanity Institute, Faculty of Philosophy, Oxford University, 2006.

Chair of Selection Committee for the Senior Research Fellow (Assistant Director): Science and Risk Analysis, for the Future of Humanity Institute, Faculty of Philosophy, Oxford University, 2006.

Chair of Selection Committee for the James Martin Senior Research Fellow in Theoretical Ethics, for the Future of Humanity Institute, Faculty of Philosophy and Oxford Martin School, Oxford University, 2006.

Member of Selection Committee for the Research Associate, for The Oxford Centre for Science of the Mind (OXCSOM), Faculty of Philosophy, Oxford University, 2005.

Chair of Selection Committee for the James Martin Projects Officer for the Future of Humanity Institute, Faculty of Philosophy and Oxford Martin School, Oxford University, 2005.

Chair of Selection Committee for the James Martin Projects Coordinator for the Future of Humanity Institute, Faculty of Philosophy and Oxford Martin School, Oxford University, 2005.

Chair of Selection Committee for the James Martin Junior Research Fellowship, for the Future of Humanity Institute, Faculty of Philosophy and Oxford Martin School, Oxford University, 2006

Chair of Selection Committee for the James Martin Research Fellowship, for the Future of Humanity Institute, Faculty of Philosophy and Oxford Martin School, Oxford University, 2005

Evaluator of fellowship application for the Biomedical Ethics Programme at the Wellcome Trust, 2005.

Examiner for the PPP and the Theology prelims exams, Oxford, 2005.

Co-Founder (w/ James Hughes) of the Institute for Ethics and Emerging Technologies (IEET), a non-profit organization seeking to contribute to the understanding of the impact of emerging technologies on individuals and societies, 2004.

Editor-in-chief of the Journal of Evolution and Technology, 1997 - 1998.

Co-Founder (w/ David Pearce) of the WTA / H+, a non-profit organization which seeks to promote the study of the scientific, ethical and public policy issues related to present and emerging technologies, 1997.

#### **BOARD APPOINTMENTS ETC.**

- *Cambridge Existential Risks Project (External Advisor)*
- *St. Cross College, Oxford (member of the Governing Body)*
- *World Economic Forum's Global Redesign Initiative (Expert Council Member)*
- *World Economic Forum's Global Agenda Council on Catastrophic Risks (Expert Council Member)*
- *World Technology Network (Elected Fellow)*
- *UNESCO, Global Ethics Observatory (Network Member)*
- *The Nanoethics Group (Advisory Board Member)*
- *Foundational Questions In Physics and Cosmology Institute (FQ(x)I) (Scientific Advisory Board member)*
- *WTA / H+ (Chair, co-founder), retired*
- *Institute for Ethics and Emerging Technologies (Chair, co-founder)*
- *Oxford James Martin Institute's World Forum 2006 (On the standing committee)*
- *Publications of the Astronomical Observator (Editorial Board)*
- *Journal of Evolution and Technology (Editorial Board)*
- *Singularity Institute for Artificial Intelligence (Advisory Board)*
- *Linguistic and Philosophical Investigations (Advisory Board)*
- *Review of Contemporary Philosophy (Advisory Board)*
- *Analysis and Metaphysics (Advisory Board)*

#### **OTHER EXPERIENCE**

- Participated in seminar on Managing Research Teams organized by AHRB, 2004.
- Participated in seminar on Small Group Teaching, organized by the Oxford Institute for the Advancement of University Learning, 2003.

- A series of appearances on TV as a stand-up comic; also gigs at various clubs and theatres, 1997 – 1998.
- Participated in competitive debating in various intervarsity tournaments, 1997 – 1999.
- Coursework in *Contemporary British Drama*, *Method Acting*, and *Improv Acting* at the City Literary Institute, and *Public Relations* at the Mary Ward Centre, London, 1997 – 1998.
- Produced and directed a minor theatrical work at Fysikum, Stockholm, 1995.
- Produced a volume of poetry, “Synkrotron”, 1995.
- Two art exhibitions (oil on canvas and collage), 1991, 1992.

## HONORS AND AWARDS

- Special reprint of “The Simulation Argument”. *The Philosophers’ Magazine*. “Ideas of the Century” Special Issue 50, (2010)
- The paper “Anthropic Shadow: Observation Selection Effects and Human Extinction Risks” named one of the *2010 Best Papers for Risk Analysis*, as nominated by Area Editors (originally published in *Risk Analysis* Vol. 30, No. 10 (2010): pp. 1495-1506, w/ Milan Cirkovic and Anders Sandberg) Named *One of the Top 100 Global Thinkers* by *Foreign Policy Magazine* in 2009, “the 100 minds that mattered most in the year that was”: [www.foreignpolicy.com/articles/2009/11/30/the\\_fp\\_top\\_100\\_global\\_thinkers](http://www.foreignpolicy.com/articles/2009/11/30/the_fp_top_100_global_thinkers).
- Winner of the inaugural 2009 *Eugene R. Gannon Jr. Award* for the Continued Pursuit of Human Advancement. One person is selected annually from the fields of philosophy, mathematics, the arts and other humanities, or and the natural sciences based “on criteria of integrity, ingenuity, professional recognition, and significance to the future of humanity” to “honor those who commit their lives to the betterment of humanity through creative or academic means”.
- The paper “The Mysteries of Self-Locating Belief and Anthropic Reasoning” chosen for inclusion in *All We Need is a Paradigm: Essays on Science, Economics, and Logic*, ed. S. Phineas Upham (Chicago: Open Court, 2009), a selection of some of the best papers published in the *Harvard Review of Philosophy*.
- Finalist for the 2009 *World Technology Award for Policy*, awarded by the World Technology Awards initiative held in association with TIME magazine, Science magazine/AAAS, and others
- Named as *one of 50 visionaries who are changing the world*, “... a group of brilliant idealists and bright thinkers” from around the world, featured in the 150-year anniversary edition of the *Utne Reader* (2008)
- Marquis’ *Who’s Who in the World* (24<sup>th</sup> Edition, 2009)
- Essay “In the Great Silence there is Great Hope” nominated for the best essay for the National Magazine Awards (2008)
- Awarded the title *Professor of Applied Ethics* in Oxford University’s recognition of distinction exercise (2008)
- “In Defense of Posthuman Dignity”, chosen for inclusion in an anthology of the best *Bioethics* papers published in the last two decades: *The Bioethics Reader: Editors’ Choice*, eds. Ruth Chadwick, Helga Kuhse, Willem A. Landman, Udo Schüklenk, and Peter Singer (Oxford: Wiley-Blackwell, 2007) [originally published *Bioethics*, Vol. 19, No. 3 (2005): pp. 202-214.]
- Featured speaker at the *Second Annual Global Creative Leadership Summit* – “a unique platform for the best minds of our generation”, organized by LTB Foundation with support from the UN Fund for International Partnerships (UNFIP) (New York City, 23-25 September).
- The *11th Annual JUS Lecturer* (University of Toronto, 2007). This lecture is delivered by “an internationally recognized major contributor to the advancement of genetics, neuroscience, psychiatry and its ethical implications”
- Nominated by the Vice Chancellor and the Faculty of Philosophy for the 2007 Philip Leverhulme Prize
- Marquis’ *Who’s Who in the World* (24<sup>th</sup> Edition, 2007), *Dictionary of International Biography* (34<sup>th</sup> Edition, 2007), *The Cambridge Blue Book* (2<sup>nd</sup> Edition, 2008)
- Honorary Fellow, University of St Gallen & World Demographic Association



- The *Symbolic Systems Distinguished Speaker of 2006*, Stanford University. “Since 1991, the Symbolic Systems Program has annually hosted special lectures by speakers who have made distinguished contributions to the theory or applications of symbolic systems”. Previous Distinguished Speakers have included Daniel Kahneman, Michael Gazzaniga, Daniel Dennett, John Searle, and Steven Pinker.
- The paper “In Defence of Posthuman Dignity” chosen by the journal *Bioethics* for inclusion in a special anthology featuring the best papers published in the journal in the last two decades
- Honorary Degree of Master of Arts, University of Oxford, conferred by Resolution
- KurzweilAI.net “Big Thinker”
- British Academy Postdoctoral Fellowship, Oxford University
- PhD thesis selected by the late Prof. Robert Nozick for inclusion in the Routledge series *Outstanding Dissertations* (2000)
- \$ 20,000 Research Award from the Templeton Foundation, for developing the first mathematically explicit theory of observation selection effects
- Helsingborgs Handelsförenings Stipendium (Scholarship) 1997
- Helsingborgs Handelsförenings Stipendium (Scholarship) 1996
- CSN Studiestöd (Scholarship) (1990 - 1996)

#### REFERENCES

- Professor Sir Martin Rees, PRS, Astronomer Royal & Master of Trinity College, Cambridge University
- Professor Jeff McMahan, Department of Philosophy, Rutgers University
- Professor Peter Singer, Center for Human Values, Princeton University; and University of Melbourne.
- Professor Julian Savulescu, Uehiro Chair in Practical Ethics, Oxford University
- Dr. Jeremy Butterfield, Senior Research Fellow, Trinity College, Cambridge University
- Professor Craig Callender, Department of Philosophy, University of California, San Diego
- Professor Colin Howson, Department of Philosophy, University of Toronto