

PROFESSOR NICK BOSTROM

Curriculum Vitae

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SHORT BIO

Nick Bostrom is Director of the Future of Humanity Institute at Oxford University, and Professor in the Faculty of Philosophy. He previously taught at Yale. He has some 170 publications to his name, including three books: *Anthropic Bias* (Routledge, 2002), *Global Catastrophic Risks* (ed., OUP, 2008), and *Enhancing Humans* (ed., OUP, 2009). His writings have been translated into 19 different languages, and reprinted in numerous anthologies and textbooks. Bostrom has a background in physics, computational neuroscience, and mathematical logic as well as philosophy. His current research centers on big picture questions for humanity, with foci on issues in the foundations of probability theory, scientific methodology and rationality, human enhancement, global catastrophic risks, moral philosophy, and consequences of future technology. In 2009, he was given the inaugural Eugene R. Gannon Award for the Continued Pursuit of Human Advancement, and he made the *FP 100 Global Thinkers* list, the Foreign Policy Magazine's list of "the 100 minds that mattered most in the year that was".

POSITIONS

Oxford University

2008 -

Professor

2005 -

Director, Future of Humanity Institute, Faculty of Philosophy

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

Thesis (awarded the "A" grade) was specially "noted as an excellent piece of work" by the examiners

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) *Human Enhancement*, ed. w/ Julian Savulescu (Oxford: Oxford University Press, 2009)
- (2) *Global Catastrophic Risks*, ed. w/ Milan Cirkovic (Oxford: Oxford University Press, 2008)
- (3) *Anthropic Bias: Observation Selection Effects in Science and Philosophy* (New York: Routledge, 2002)

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)

- (4) "Anthropic Shadow: Observation Selection Effects and Human Extinction Risks", in preparation
- (5) "Information Hazards: A Typology of Potential Harms from Knowledge", in preparation
- (6) "The Infinitarian Challenge to Aggregative Ethics", in preparation
- (7) "Existential Risks: Towards a Framework for Risk Assessment and Policy Analysis of Human Extinction Scenarios and Related Hazards", in preparation
- (8) "Fundamental Moral Uncertainty", in preparation (w/ Toby Ord)
- (9) "Pascal's Mugging", *Analysis* Vol. 69, No. 3 (2009): pp. 443 - 445

- (10) "The Simulation Argument: Some Explanations", *Analysis*, Vol. 69, No. 3 (2009): pp. 458-461
- (11) "Moralist, meet Scientist; Scientist, meet Moralist", *Nature*, Vol. 453 (2008): pp. 593-594
- (12) "In the Great Silence there is Great Hope", *MIT Technology Review*, May/June issue (2008): pp. 72-77
- (13) "Letter from Utopia", *Studies in Ethics, Law, and Technology*, Vol. 2, No. 1 (2008): pp. 1-7
- (14) "Cognitive Enhancement: Methods, Ethics, Regulatory Challenges" *Science and Engineering Ethics*, Vol. 15, No. 3 (2009): pp.311-341 (w/ Anders Sandberg)
- (15) "Sleeping Beauty and Self-Location: A Hybrid Model", *Synthese*, Vol. 157, No. 1 (2007): pp. 59-78
- (16) "What is a Singleton", *Linguistic and Philosophical Investigations*, Vol. 5, No. 2 (2006): pp. 48-54
- (17) "Ethical Issues in Advanced Artificial Intelligence", *Review of Contemporary Philosophy*, Vol. 5 (2006): pp. 66-73
- (18) "A Short History of Transhumanist Thought", *Analysis and Metaphysics*, Vol. 5 (2006): pp. 63-95
- (19) "Converging Cognitive Enhancements", *Annals of the New York Academy of Sciences*, Vol. 1093 (2006): pp. 201-207 (w/ Anders Sandberg)
- (20) "Quantity of Experience: Brain-Duplication and Degrees of Consciousness", *Minds and Machines*, Vol. 16, No. 2 (2006): pp. 185-200
- (21) "The Reversal Test: Eliminating Status Quo Bias in Bioethics", *Ethics*, Vol. 116, No. 4 (2006): pp. 656-680 (w/ Toby Ord)
- (22) "Desire, Time, and Ethical Weight", *Analysis and Metaphysics*, Vol. 4, No. 2 (2006): pp. 59-83
- (23) "Ethical Principles in the Creation of Artificial Minds", *Analysis and Metaphysics*, (2006): forthcoming
- (24) "How Unlikely is a Doomsday Catastrophe?", *Nature*, Vol. 438, No. 7069 (2005): p. 754 + supplementary materials (w/ Max Tegmark)
- (25) "The Simulation Argument: Reply to Brian Weatherson", *Philosophical Quarterly*, Vol. 55, No. 218 (2005): pp. 90-97
- (26) "A History of Transhumanist Thought", *Journal of Evolution and Technology*, Vol. 14 (2005)
- (27) "Recent Arguments about Life-Extension", *Aging Horizons*, No. 3, Autumn/Winter issue (2005): pp. 28-34
- (28) "In Defense of Posthuman Dignity", *Bioethics*, Vol. 19, No. 3 (2005): pp. 202-214 (This article was recently chosen for inclusion in an anthology of the best papers published in the journal in the last two decades.)

- (29) "Understanding Quine's Thesis of Indeterminacy", *Linguistic and Philosophical Investigations*, Vol. 4, No. 1 (2005): pp. 60-96
- (30) "Transhumanist Values", *Review of Contemporary Philosophy*, Vol. 4, No. 1-2 (2005): pp. 87-101
- (31) "The Fable of the Dragon-Tyrant", *Journal of Medical Ethics*, Vol. 31, No. 5 (2005): pp. 273-277
- (32) "The Mysteries of Self-Locating Belief and Anthropic Reasoning", *Harvard Review of Philosophy*, Vol. 11 (2003): pp. 59-74
- (33) "Astronomical Waste: The Opportunity Cost of Delayed Technological Development", *Utilitas*, Vol. 15, No. 3 (2003): pp. 308-314
- (34) "Human Genetic Enhancements: A Transhumanist Perspective", *Journal of Value Inquiry*, Vol. 37, No. 4 (2003): pp. 493-506
- (35) "Taking Intelligent Machines Seriously: Reply to my Critics", *Futures*, Vol. 35: 8 (2003): pp. 901-906
- (36) "Are You Living In A Computer Simulation?", *Philosophical Quarterly*, Vol. 53, No. 211 (2003): pp. 243-255
- (37) "When Machines Outsmart Humans", *Futures*, Vol. 35:7 (2003): pp. 759-764 (with a symposium organized around my article)
- (38) "The Doomsday argument and the Self-Sampling Assumption: Reply to Olum", *Philosophical Quarterly*, Vol. 53, No. 210 (2003): pp. 83-91 (w/ Milan Cirkovic)
- (39) "Self-Locating Belief in Big Worlds: Cosmology's Missing Link to Observation", *Journal of Philosophy*, Vol. 99, No. 12 (2002): pp. 607-623
- (40) "Existential Risks: Analyzing Human Extinction Scenarios", *Journal of Evolution and Technology*, Vol. 9 (2002)
- (41) "The Doomsday Argument, Adam & Eve, UN⁺⁺, and Quantum Joe", *Synthese*, Vol. 127, No. 3 (2001): pp. 359-387
- (42) "The Meta-Newcomb Problem", *Analysis*, Vol. 61, No. 4 (2001): pp. 309-310
- (43) "Observer-Relative Chances in Anthropic Reasoning?", *Erkenntnis*, Vol. 52 (2000): pp. 93-108
- (44) "Cortical Integration: How to Store Complex Representations in Long Term Memory", *Consciousness and Cognition*, Vol.9, No 2 (2000): pp. 39S-40S
- (45) "Cosmological Constant and the Final Anthropic Hypothesis", *Astrophysics & Space Science*, Vol. 279, No. 4 (2000): pp. 675-87 (w/ Milan Cirkovic)
- (46) "The Doomsday Argument is Alive and Kicking", *Mind*, Vol. 108, No. 431 (1999): pp. 539-550
- (47) "How Long Before Superintelligence?", *International Journal of Futures Studies*, Vol. 2 (1998)

Contributed book chapters, conference proceedings & articles

- (48) "Betting for Britain", *Wired UK* (2009), in press
- (49) "Smart Policy: Cognitive Enhancement and the Public Interest", In *Enhancing Human Capacities*, eds. Julian Savulescu, Ruud ter Muelen, and Guy Kahane (Oxford: Wiley-Blackwell, 2009) (w/ Rebecca Roache)
- (50) "Superintelligence", In *What Will Change Everything*, ed. John Brockman (New York: HarperCollins, 2010), in press
- (51) "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)
- (52) "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
- (53) "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)
- (54) "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)
- (55) "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 to be published in Germany, Italy, Spain, Holland, Korea, China, and Turkey.
- (56) "Whole Brain Emulation: A Technical Roadmap", *Technical Report #2008-3*, Future of Humanity Institute, Oxford University, 2008 (w/ Anders Sandberg)
- (57) "Smart Policy: Cognitive Enhancement in the Public Interest", In *Reshaping the Human Condition: Exploring Human Enhancement*, eds. L. Zonneveld, H. Dijstelbloem, 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
- (58) "Everything", In *What Have You Changed Your Mind About?*, ed. John Brockman (HarperCollins: New York, 2008)
- (59) "The Dread Planet: Why finding fossils on Mars would be extremely bad news for humanity", *Sunday Boston Globe*, 25 May (2008): pp. D1-D4
- (60) "Enhancement and Dignity", In *Human Dignity and Bioethics: Essays Commissioned by the President's Council on Bioethics* (Washington, D.C.: 2008): pp. 173-207
- (61) "Drugs Can be Used to Treat More than Disease", *Nature*, Vol. 452, No. 7178 (2008): p. 520
- (62) "Why I Want to be a Posthuman When I Grow Up", *Medical Enhancement and Posthumanity*, eds. Bert Gordijn and Ruth Chadwick (Springer, 2008): pp. 107-137

- (63) "The Ethics of Artificial Intelligence", In *The Cambridge Handbook of Artificial Intelligence*, eds. William Ramsey and Keith Frankish (Cambridge: Cambridge University Press, 2008): forthcoming (w/ Eliezer Yudkowsky)
- (64) "Letter from Utopia" In *Becoming More Than Human: Technology and the Post-Human Condition*, ed. Sky Marsen (2008): forthcoming
- (65) "A Primer on the Doomsday Argument" (In Russian, translation by Alexey Turchin), [title to be determined], ed. Danila Medvedev (2008): forthcoming
- (66) "Three Big Problems" *Death and Anti-Death*, Vol. 5, ed. Charles Tandy (Palo Alto, CA, Ria University Press, 2007): pp. 147-165 (w/ Rebecca Roache)
- (67) "Ethical Principles in the Creation of Artificial Minds", *Linguistic and Philosophical Investigations*, Vol. 6 (2007): pp. 183-184
- (68) "Human vs. Posthuman", *Hastings Center Report*, Vol. 37, No. 5 (2007): pp. 4-5
- (69) "Ethical Issues in Human Enhancement", Invited anthology chapter for *New Waves in Applied Ethics*, eds. Jesper Ryberg, Thomas Petersen & Clark Wolf (Palgrave Macmillan, 2007) (w/ Rebecca Roache)
- (70) "Ethical and Political Challenges to the Prospect of Life Extension", Invited article for *World Demographics Association Proceedings* (2007)
- (71) "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)
- (72) "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
- (73) "The Future of Humanity", Invited article for *Companion to Philosophy of Technology*, eds. Jan-Kyrre Berg Olsen, Stig Andur Pedersen, and Vincent F. Hendricks (Blackwell, 2007): forthcoming
- (74) "Do We Live in a Computer Simulation", *New Scientist*, Vol. 192, No. 2579, 19 November (2006): pp. 38-39
- (75) "Observation Selection Theory and Cosmological Fine-tuning", Invited chapter in *Universe or Multiverse?*, ed. Bernard Carr (Cambridge University Press: Cambridge, 2006)
- (76) "Nanoethics and Technological Revolutions: A Précis", *Nanotechnology Perceptions: A Review of Ultraprecision Engineering and Nanotechnology*, Vol. 2 (1b), May Issue (2006)
- (77) "The Singularity", Invited chapter in *Better Humans? The ethics and politics of human enhancement*, eds. Paul Miller and James Wilsdon (DEMOS, January 26th 2006)

- (78) "Growing Up: Human Nature and Enhancement Technologies", Invited chapter in *Tomorrow's People: The Challenge to Human Nature*, ed. Ellen Mitchell (2006)
- (79) "Dinosaurs, Dodos, Humans?", Invited article for *Global Agenda*, the annual publication of the World Economic Forum, January issue (2006): pp. 230-231
- (80) "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 (Ria University Press, 2006)
- (81) "Re: The Benevolent Dragon", *Journal of Medical Ethics*, 24 June, 31/5/273#332, e-letter section (2005)
- (82) "Scientist find death can damage your health", *Journal of Medical Ethics*, 31/5/273#308, e-letter section (2005)
- (83) "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
- (84) "A Proactive Response to the Tsunami Disaster", *BetterHumans*, 01/19/2005 (2005)
- (85) "A Short History of Transhumanist Thought", Invited chapter to *The Prospect of Immortality*, by R. Ettinger, with Comments by Others," ed. Charles Tandy, in the Cultural Classics Series (Ria University Press, Palo Alto, California, 2005)
- (86) "Why Make a Matrix? And Why You Might Be In One", *More Matrix and Philosophy*, ed. William Irwin (Open Court: New York, 2005)
- (87) "Transhumanism: The World's Most Dangerous Idea?", *Foreign Policy* (2004)
- (88) "How Wants to Live Forever", *Essays on Infinite Lifespans*, ed. Immortality Institute (Libros En Red Press, 2004)
- (89) "The Future of Human Evolution", contributed chapter to *Death and Anti-Death: Two Hundred Years After Kant, Fifty Years After Turing*, ed. Charles Tandy (Ria University Press: Palo Alto, California, 2004): pp. 339-371
- (90) "Is Transhumanism the World's Most Dangerous Idea?", *BetterHumans*, 10/19/2004 (2004)
- (91) "The Transhumanist FAQ v.2.1", *Web*: www.transhumanist.org, published by the World Transhumanist Association (2004)
- (92) "Free Will: What's the Transhumanist Position?", *BetterHumans*, no. 1/9/2004 (2004)
- (93) "Transhumanist Values", *In Ethical Issues for the 21st Century*, ed. Frederick Adams, (Philosophical Documentation Center Press, 2004)
- (94) "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, Illinois (2003)

- (95) "The Simulation Argument: Why the Probability that You are Living in the Matrix is Quite High", *Times Higher Educational Supplement*, May 16 (2003)
- (96) "The Ethics of Superintelligent Machines", *Proceedings of the InterSymp'2003 Conference*, International Institute for Advanced Studies in Systems Research and Cybernetics (2003)
- (97) "Reasons for Doubting Design: Response to Swinburne", *THINK*, issue 4 (2003)
- (98) "Human extinction", Invited article for *Encyclopaedia of Population*, eds. Paul Demeny and Geoffrey McNicoll (New York: Macmillan, 2003)
- (99) "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)
- (100) "Cars In the Other Lane Really Do Go Faster", *PLUS*, issue 17 (2001)
- (101) "Against Ageing", *The Longevity Meme* (2001)
- (102) "Transhumanism – an idea whose time has come?", *Doctor Tandy's First Guide to Life Extension and Transhumanity* (Palo Alto: Ria University Press, 2001)
- (103) "A Primer on the Doomsday Argument", Invited feature in *ephilosopher.com* (2001)
- (104) "The Disturbing Doomsday Argument", *The Actuary*, March issue (2001)
- (105) "Who's afraid of life?", *Science Magazine*, 9 May issue (2000)
- (106) "What is transhumanism?", *Sawaal*, August issue (2000)
- (107) "Is the end nigh?", *Philosopher's Magazine*, Issue 9 (2000)
- (108) "Predictions from philosophy", *Coloquia Manilana (PDCIS)*, Vol. 7 (1999)
- (109) "The Doomsday argument." *Coloquia Manilana (PDCIS)*, Vol. 7 (1999)
- (110) "Singularity and Predictability", *Extropy*, October issue (1998)

Reprints and translations

My writings have been translated into 19 different languages: *German, Greek, Hungarian, Dutch, Russian, French, Portuguese, Polish, Finnish, Czech, Slovenian, Spanish, Italian, Albanian, Serbian, Danish, Romanian, Japanese, and Hebrew*. Many have been reprinted in anthologies.

- (111) "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.
- (112) "Dignity and Enhancement", reprinted in *Contemporary Readings in Law and Social Justice*, forthcoming

- (113) "The Future of Humanity", reprinted in *Geopolitics, History, and International Relations*, Vol. 1, Issue 2 (2009): forthcoming
- (114) "Smart Policy: Cognitive Enhancement and the Public Interest", reprinted in *Contemporary Readings in Law and Social Justice*, forthcoming
- (115) "Letter from Utopia", reprinted in *Geopolitics, History, and International Relations*, forthcoming
- (116) "A History of Transhumanist Thought", reprinted in *Academic Writing Across the Disciplines*, eds. Michael Rectenwald & Lisa Carl (New York: Pearson Longman, 2011), forthcoming.
- (117) "In Defense of Posthuman Dignity", reprinted in *Global Spiral*, 2009.02.05.
- (118) "Dinosaurs, Dodos, Humans?" republished in *Review of Contemporary Philosophy*, Vol. 8 (2009): pp. 85-89.
- (119) "Letter from Utopia (abridged)", republished in English and in French translation in *100,000 Years of Beauty*, ed. Françoise Gaillard (Les Editions Babylone, 2009): forthcoming
- (120) "When Will Computers Be Smarter Than Us?" *Forbes.com* (2009): 22 June
- (121) "Do we live in a computer simulation?" German translation, in *High Flyer* newsletter, 2009.
- (122) "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, forthcoming 2009). (w/ Anders Sandberg).
- (123) "The Future of Human Evolution", *Bedeutung*, forthcoming (2009)
- (124) "The Singularity", in Japanese translation, in *Human Enhancement*, eds. Ueda Akifumi and Watanabe Maiko: pp. 40-50
- (125) *Global Catastrophic Risks*, eds. Nick Bostrom & Milan Cirkovic, in Serbian translation (HELIKS of Smederevo: forthcoming).
- (126) Extracts from "Letter from Utopia", Reprinted in *The World I See – A Foundation for the Co-Creation of Our Future*, ed. Gordon Hammond (forthcoming)
- (127) "Are You in a Computer Simulation?", In *Science Fiction and Philosophy*, ed. Susan Schneider (Wiley-Blackwell, 2009)
- (128) "Ethical Issues in Advanced Artificial Intelligence", In *Science Fiction and Philosophy*, ed. Susan Schneider (Wiley-Blackwell, 2009)
- (129) "Letter from Utopia", *Journal of Evolution and Technology*, Vol. 19, No. 1 (2008): pp. 67-72
- (130) "The Epistemological Mystique of Self-Locating Belief", *Logos: The Annals of Spiru Haret University*: forthcoming

- (131) “The Dread Planet: Why finding fossils on Mars would be extremely bad news for humanity”, *The Dallas Morning News*, (2008)
- (132) “Transhumanist Values”, reprinted in *Bioethics in Contemporary Society: A Reader with Cases*, eds. Jessica Pierce and George Randels (Oxford: Oxford University Press, 2009)
- (133) “Transhumanist Values” reprinted in *Readings in the Philosophy of Technology*, 2nd edition, ed. David M. Kaplan (New York: Rowman & Littlefield Publishers, 2009)
- (134) “Existential Risks: Analyzing Human Extinction Scenarios and Related Hazards”, reprinted in *Crisis Management*, ed. Arjen Boin (SAGE Publications, 2008)
- (135) “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): forthcoming
- (136) 2008. “The Doomsday Argument is Alive and Kicking” Translated into Russian by Alexey Turchin and edited by Valerija Pride, forthcoming in a volume edited by Danila Medvedev [title to be determined]. (originally published in *Mind* (1999), Vol. 108, No. 431, pp. 539-50.
- (137) 2008. “How Unlikely is Doomsday Catastrophe?” Translated into Russian by Alexey Turchin and edited by Valerija Pride, forthcoming in a volume edited by Danila Medvedev [title to be determined]. (originally published in *Nature* (2005), Vol. 438, No. 7069, p. 754 + supplementary materials (w/ Max Tegmark).
- (138) 2007. “The Meta-Newcomb Problem”, Reprinted in *Linguistic and Philosophical Investigations*, Vol. 6, pp. 160-161.
- (139) 2007. “The Mysteries of Self-Locating Belief and Anthropic Reasoning”, Reprinted in *Linguistic and Philosophical Investigations*, Vol. 6, pp. 51-60.
- (140) 2007. “Existential Risks: Analyzing Human Extinction Scenarios and Related Hazards”. Translated into Russian by Alexey Turchin and edited by Valerija Pride, forthcoming in a volume edited by Danila Medvedev [title to be determined]. (originally published in *Journal of Evolution and Technology* (2002), Vol. 9.
- (141) 2007. “Ethical Issues in Advanced Artificial Intelligence” Reprinted in *Contemporary Issues Companion: Artificial Intelligence*, ed. Uma Kukathas (Thomson Gale: 2007).
- (142) 2007. “TO TPANΣOYMANIΣTIKO FAQ” (translation by Spiros Mandros into Greek of The Transhumanist FAQ, v.2.1, originally published in 2004).
- (143) 2007. “Technological Revolutions: Ethics and Policy in the Dark” with a new Foreword, *On Wisdom*, ed. Julian Savulescu (Oxford Uehiro Center for Practical Ethics, Oxford, 2007).
- (144) 2007. “Are You Living in a Computer Simulation?”, Reprinted in *Linguistic and Philosophical Investigations*, forthcoming, March 2007.
- (145) 2007. “Astronomical Waste: The Opportunity Cost of Delayed Technological Development”, Reprinted in *Review of Contemporary Philosophy*, Vol. 6, pp. 121-128.

- (146) 2007. "Human Genetic Enhancements: A Transhumanist Perspective", Reprinted in *Review of Contemporary Philosophy*, Vol. 6, pp. 42-58.
- (147) 2007. "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*.)
- (148) 2007. "Observation Selection Effects, Measures, and Infinite Spacetimes", Reprinted in *Analysis and Metaphysics*, forthcoming, October 2007.
- (149) 2006. "Bun venit în lumea schimbărilor exponențiale" (translation into Romanian of "The Singularity"), *Net SF*, 30.03.2006.
- (150) 2006. "The Simulation Argument", Reprinted in *Doing Philosophy: An Introduction through Thought Experiments*, 3rd edition by Theodor Shick and Lewis Vaughn.
- (151) 2006. "The Future of Human Evolution." Reprinted in *Futurology- Forecasts and Initiatives*, ed. P. Bala Bhaskaran (ICFAI University Press, Hyderabad, 2006).
- (152) 2006. "How long before Superintelligence?" Reprinted in *Linguistic and Philosophical Investigations*, Vol. 5, No. 1, pp. 11-30, with a new postscript.
- (153) 2006. "Carta desde Utopía" (translation into Spanish of Letter from Utopia), *Tendencias Cientificas*, 28 January 2006.
- (154) 2006. "The Transhumanist FAQ, v. 2.1" Reprinted in *Linguistic and Philosophical Investigations*, forthcoming, Vol. 5, No. 2, April 2006.
- (155) 2006. "The Mysteries of Self-Locating Belief", Reprinted in *Review of Contemporary Philosophy*, forthcoming, August 2006.
- (156) 2006. "A History of Transhumanist Thought", Reprinted in *Analysis and Metaphysics*, forthcoming, October 2006.
- (157) 2005. "The Future of Human Evolution". *Analysis and Metaphysics*, Vol. 4, No. 1, pp. 54-75.
- (158) 2005. "The Fable of the Dragon-Tyrant", Reprinted in *Linguistic and Philosophical Investigations*, Vol. 4, No. 2, pp. 210-225.
- (159) 2005. "In Defense of Posthuman Dignity", Reprinted in *Linguistic and Philosophical Investigations*, Vol. 4, No. 2, pp. 62-74.
- (160) 2005. "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 (Ria University Press, 2005). (Has been translated into Hebrew and Finnish.)
- (161) 2005. "Transhumanist Values," *Review of Contemporary Philosophy*, Vol. 4, No. 1-2, pp. 87-101. (Has also been translated into Slovenian.)
- (162) 2005. "El envejecimiento es una tiránico dragón que puede ser abatido" (Spanish translation of the Fable of the Dragon-Tyrant.) *Megatendencias*, 20/08/2005.

- (163) 2005. "In Difesa della Dignità Postumana" *Bioethica*, Vol 8, No. 4., pp. 33-47. (Italian translation of "In Defence of Posthuman Dignity")
- (164) 2005. "Why Make a Matrix? And Why You Might Be In One." Reprinted in *Riverview Rants*, 2004.
- (165) 2005. "In Defence of Posthuman Dignity." Reprinted in *Physical Immortality*, 2nd quarter issue.
- (166) 2004. "The Transhumanist FAQ v.2.1" (Has been translated into German, Hungarian, Dutch, Italian, Polish, Finnish, and Spanish.)
- (167) 2004. "The Transhumanist FAQ v.2.1". Extracts reprinted in the anthology *Current Controversies: Genetic Engineering* (Thomson Gale Press, 2006).
- (168) 2004. "The Fable of the Dragon Tyrant" Invited chapter to *Death and Anti-Death: Two Hundred Years After Kant, Fifty Years After Turing*, ed. Charles Tandy (Ria University Press: Palo Alto, California, 2004): pp. 67-88
- (169) 2004. "How Long Before Superintelligence?" Reprinted in *The Information Society: Stages of Evolution* (Midgard Publishing House: Saint-Petersburg, Russia). (In Russian translation).
- (170) 2003. "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). (Has been translated into Spanish.)
- (171) 2003. "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).
- (172) 2003. "Are You Living In A Computer Simulation?" *Philosophical Quarterly*. Vol. 53, No. 211, pp. 243-255. (Has been translated into Czech.)
- (173) 2003. "Existential Risks: Analyzing Human Extinction Scenarios." Reprinted in a forthcoming anthology published by Ray Kurzweil et al.
- (174) 1998. "How Long Before Superintelligence?" Reprinted in *Fremtidssorientering* nr. 5/6, 1999. (Translation into Danish by Søren Steen Olsen).

MEDIA

My work has been covered extensively in the media. I have done more than 350 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*, *Utildnings Radion*, *Boston Globe*, *San Diego Union-Tribune*, *The Sunday Herald*, *Nature*, *New Scientist*, *Science & Avenir*, *Volkskrant*, *Discover Magazine*, *Forbes*, and others.

GRANTS

Total value of grants obtained as primary applicant or co-applicant: \$12,896,537

- \$ 63,000. Obtained donation from private donor for Oxford Future of Humanity Institute.
- \$ 4,034,537. 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)
- \$ 775,000. Obtained grant for the Oxford Future of Humanity Institute from the James Martin 21st Century School at Oxford University (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 6th 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 obtaining grant to set up a Program 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/H+, from private donor (2004)
- \$ 20,000. Obtained personal research grant awarded by the John Templeton Foundation (1996)

INVITED KEYNOTES AND OTHER PRESENTATIONS

- (1) 2009. “Whole Brain Emulation” *Pennsylvania University, Program for Cognitive Sciences* (Philadelphia, 3 December)
- (2) 2009. “Transhumanism: A Critical Appraisal” *Pennsylvania University, Center for Bioethics* (Philadelphia, 2 December)
- (3) 2009. “Existential Risks” *Pennsylvania University, Center for Bioethics* (Philadelphia, 2 December)
- (4) 2009. “Global Catastrophic Risks”, *Chancellor’s Court of Benefactors* (Oxford, 1 October)
- (5) 2009. “Global Risks and Emerging Technologies”, keynote, *16th Biennial Conference of the Society for Philosophy and Technology* (Twente, Netherlands, July 8-10)
- (6) 2009. “Global Risks and Opportunities” [working title], keynote, *Guardian Activate Summit 09* (London, 1 July)
- (7) 2009. “Socio-economic and ethical issues in weak cognitive enhancement”, *Cognitive Enhancement Symposium* (Oxford, 27 June)
- (8) 2009. “Global Catastrophic Risks” invited keynote at *Booz Allen* (McLean, VA, 15 June)

- (9) 2009. "The Multiverse", *The World Science Festival* (New York, 10-14 June)
- (10) 2009. "Risks from robotics and artificial intelligence [working title]", *The World Science Festival* (New York, 10-14 June)
- (11) 2009. "Human Enhancement: Methods, Issues, and Timelines", invited keynote, *TISA Symposium at the London Chamber of Commerce* (London, 10 June)
- (12) 2009. "Transhumanism: A Critical Look", *The Oxford-Manchester Moral Science Workshop* (Oxford, 18 May)
- (13) 2009. "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, 19 February)
- (14) 2009. "Future of Humanity Issues", *Doug's Lunch, Balliol graduate luncheon discussion* (Oxford, 12 February)
- (15) 2008. Panel Debate on End of the World, *Oxford Union* (Oxford, 22 November)
- (16) 2008. "Cognitive enhancement", *Panel organized by Nature* (London, 13 October)
- (17) 2008. "Dignity as a Quality", *President's Council on Bioethics and Harvard Law School* (Cambridge, MA, 24 September)
- (18) 2008. "Rational Philanthropy", with Martin Rees, *Science Foo Camp, organized by Nature, Google, and O'Reilly* (Googleplex, California, 8-10 August)
- (19) 2008. "Existential Risks", with Martin Rees, *Science Foo Camp, organized by Nature, Google, and O'Reilly* (Googleplex, California, 8-10 August)
- (20) 2008. "Extraterrestrials and the Fermi Paradox", with Martin Rees, *Science Foo Camp, organized by Nature, Google, and O'Reilly* (Googleplex, California, 8-10 August)
- (21) 2008. "Catastrophic Risks", opening presentation, *Policy Foresight Programme Workshop* (Oxford, 21 July)
- (22) 2008. "Global Catastrophic Risks", keynote address, *Global Catastrophic Risks Conference* (Oxford, 18 July)
- (23) 2008. "Global Catastrophic Risks: An Overview", *Book Launch of the book Global Catastrophic Risks* (Oxford, 17 July)
- (24) 2008. "Do we need Gurus" Invited discussion initiator, *Agora* (Scottsdale AZ, 30 March)
- (25) 2008. "The Ethics of Artificial Minds" Invited speaker for *Robot & Rights* organized by BioCentre: Centre for Bioethics & Public Policy (London, 15 January)
- (26) 2007. "The Ethics of Human Enhancement: The Reversal Test" *St Cross Special Ethics Seminar* (Oxford, 6 November).

- (27) 2007. "The Future of Humanity" After-dinner keynote speaker for *Pension Fund Investment World Conference* for pension fund managers (Berlin, 5 November).
- (28) 2007. "The Wisdom of Nature: An Evolutionary Heuristic for Human Enhancement" *St Cross College Colloquium* (Oxford, 30 October).
- (29) 2007. "The Future of Humanity." *James Martin School Seminar* (Oxford, 25 October).
- (30) 2007. "The Values that Should Guide us in Managing the Fast-Expanding Frontier of Science and Technology" Invited plenary speaker for *Women's Forum for the Economy and Society 2007* (Deville, France, 11-13 October).
- (31) 2007. "The Reversal Test: Status Quo Bias in Bioethics" *The 11th Annual Jus Lecture at the University of Toronto* (Toronto, 27 September).
- (32) 2007. "My Challenges for the next 15 years" 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).
- (33) 2007. "The Future of Humanity" Invited speaker at the *TransVision 2007 Conference* (Chicago, 24-26).
- (34) 2007. "Ethical Objections to Life Extension" Invited speaker at *Securing the Longevity Dividend Symposium* (Chicago, 23 July).
- (35) 2007. "The Future of Humanity" Keynote speaker at *Sedbergh Festival of Ideas* (Sedbergh, 20-22 July).
- (36) 2007. "Enhancements: A Practical Approach" Invited speaker at *Enhancement and Genetics* (Jena, Germany, 22-24 June).
- (37) 2007. "Cognitive Enhancement: Methods, Ethics, and Challenges for Policy" Keynote presentation for *Oxford Forum for the Medical Humanities: Neuroethics Symposium* (Oxford, 11 May).
- (38) 2007. "Policy Issues" Invited session chair for *The Human Enhancement Colloquium* at the British Ambassador's Residence in the Hague (the Hague, 10 May).
- (39) 2007. "Dignity and Enhancement" Presentation for *Cognitive Enhancement Conference* organized by the ENHANCE project (Stockholm, 27-28 March).
- (40) 2006. "Ethical and Social implications of Cognitive Enhancement" Invited presentation for *Cognitive Enhancement Workshop* organized by the British Medical Association (London, 24 November).
- (41) 2006. Panellist in debate on the topic "Will Our Grandchildren be Robotic?" at the *BBC Festival of Ideas*, broadcast on Radio 3 (Liverpool, 5 November).
- (42) 2006. "Dignity and Enhancement." Presentation for the *James Martin Advanced Research Seminar* (Oxford, 20 October).

- (43) 2006. "The Big Picture for Humanity" Special invited forum speaker, *Rutherford Appleton Laboratory* (Abingdon, Oxfordshire, 6 October).
- (44) 2006. "Political and Ethical Challenges for Society from the Prospect of Life-Extension." Invited keynote address for the *2nd World Aging & Generations Congress* (St. Gallen, Switzerland, 27-29 September).
- (45) 2006. "Wiser and Smarter." Invited lecture for *Annual Investors Forum 2006*, organized by Oxford Capital Partners, Said Business School (Oxford, 20 September).
- (46) 2006. "What is Enhancement?" Invited closing address for *TransVision 2006* (Helsinki, Finland, 17-19 August).
- (47) 2006. "An Evolutionary Heuristic for Identifying Promising Human Enhancements" Invited opening plenary for *TransVision 2006* (Helsinki, Finland, 17-19 August).
- (48) 2006. "A Practical Approach to Human Enhancement." Satellite meeting to the *8th World Congress in Bioethics* (Beijing, 5 August).
- (49) 2006. "The Future of Aging." Invited lecture for the *Wellcome Trust* (London, 26 July).
- (50) 2006. "Human Enhancement and Sports Enhancement." Invited presentation for the *Science and Technology Select Committee, House of Commons* (UK parliament) (London, 21 June).
- (51) 2006. "Posthuman Dignity and the Rights of Artificial Minds" Invited closing keynote for the conference *Human Enhancement Technologies and Human Rights*, IEET and Stanford University Law School (San Francisco, 26-28 May).
- (52) 2006. "The Simulation Argument." Invited "annually hosted special lectures by speakers who have made distinguished contributions to the theory or applications of symbolic systems" at *Stanford University* (Stanford, 19 May).
- (53) 2006. "Existential Risks and Artificial Intelligence" Invited keynote at the *Singularity Summit* (Stanford, 13 May).
- (54) 2006. "Consequences of Cognitive Enhancement" *ENHANCE workshop* presentation (Oxford, 4 May)
- (55) 2006. "Human Capital" Invited lecture for *The Royal Society for the Encouragement of Arts, Manufactures, and Commerce* (London, 22 March).
- (56) 2006. "Cognitive Enhancement" Invited plenary presentation at the *World Forum for Science and Civilization* (Oxford, 14-17 March).
- (57) 2006. "Existential Risks: what's the probability that humanity will go extinct in the 21st century? What can we do to reduce the probability?" Invited presentation for the *World Forum for Science and Civilization* (Oxford, 14-17 March).
- (58) 2006. "Human Enhancement, Transhumanism, and Genetics." Keynote address for *Great Expectations: On our genetic future* (Amsterdam, 21 February).

- (59) 2006. "Transhumanist Values." Invited speaker at the *Institute for Science, Innovation & Society* (Nijmegen, 21 February).
- (60) 2006. "Cognitive Enhancement" Invited speaker at the *Forbidding Science: Balancing Freedom, Security, Innovation & Precaution* conference (Tempe, Arizona, January 10-11).
- (61) 2006. "The Transhumanist Vision." Invited closing keynote presentation for *The Future of Human Nature: Science, Ethics, and Democracy* (University of Utah, date TBA).
- (62) 2005. "Status Quo Bias in Bioethics." Invited speaker for the *DeCamp Seminar Series at the Princeton Center for Human Values* (Princeton, 30 November)
- (63) 2005. "Recent Developments in the Ethics of Extreme Life-Extension." Invited presentation for *Aging Population 2005 Conference* (Oxford, 7-9 September).
- (64) 2005. "Transhumanism and Bioethics: A Map of the Terrain and Recent Theoretical Developments." Invited closing keynote presentation for *TransVision05* (Caracas, Venezuela, 22-24 July)
- (65) 2005. "Introduction to Transhumanism." Invited opening keynote presentation for *TransVision05* (Caracas, Venezuela, 22-24 July).
- (66) 2005. "The Three Biggest Problems for Humanity." Invited presentation for the *TED-GLOBAL* conference (Oxford, 12-15 July)
- (67) 2005. "Transhumanism – An Overview." Invited presentation for *Social Science Week, James Martin Institute* (Oxford, 23 June)
- (68) 2005. "Status Quo Bias in Bioethics: The Case for Cognitive Enhancement" Invited presentation at the *Oxford-Scandinavia Ethics Summit* (Oxford, 13-15 June)
- (69) 2005. "Status Quo Bias in Bioethics?" Invited presentation for *Sports & Medicine Ethics Conference* (Stockholm, 23-24 May)
- (70) 2005. "Predictions from Infinite Cosmological Models: Towards a Solution of the Measure Problem." Invited speaker for *Multiverse and String Theory: Towards Ultimate Explanations in Cosmology* (Stanford, 19-21 March)
- (71) 2005. "Human Cloning: Ethics and Consequences." Invited speaker for *Oxford Cafe Scientifique*, part of the Oxford Women's Festival (Oxford, 8 February).
- (72) 2004. "Facing Science." Invited presentation for the *Images of Science Conference*, organized by the All European Academies of Science (Amsterdam, 6-7 December).
- (73) 2004. "Status Quo Bias and Human Enhancement." Invited presentation for the conference *How can Human Nature be Ethically Improved?* (New York, 18-19 November).
- (74) 2004. "The Simulation Argument." Invited presentation for *Filosofiska Fakulteten, Lund University* (Lund, Sweden, 4 November).

- (75) 2004. "Transhumanism" Invited presentation for *The Face of the Future: Technosapiens?* (Washington D.C., 28-29 October).
- (76) 2004. "Are You Living in a Computer Simulation?" Invited presentation for *ExtroBritannia* (Oxford, 9 October).
- (77) 2004. "Human Enhancement: Answering the Why Question." Invited keynote for the *TransVision05* conference (Toronto, 6-8 August).
- (78) 2004. "Introduction to Transhumanism." Invited presentation for the *TransVision05* conference (Toronto, 6-8 August).
- (79) 2004. "Religion and Transhumanism." Invited presentation for *Faith, Transhumanism and Hope Symposium* (Toronto, 5 August).
- (80) 2004. "Responding to Brent Waters." Invited presentation for *Christian-Transhumanist Conversation* workshop (Oxford, 26 July).
- (81) 2004. "Observation Selection Theory." Invited presentation for *Degrees of Belief* conference (Konstanz, 22-24 July).
- (82) 2004. "Extending Human Reach: In Defence of a Posthuman Future" Invited presentation for *A Posthuman Future* (Oxford, 19-22 July).
- (83) 2004. "The Paralysis of Ethics in our Possibly Infinite Universe." *Aristotelian Society – Mind Association Joint Session* (Canterbury, 9-12 July).
- (84) 2004. "Bayesian Epistemology and Indexical Information." Invited presentation for *Bayesian Epistemology Workshop* (London, 28 July).
- (85) 2004. "Human Enhancement and Dignity." Invited presentation for the European Group on Ethics in Science and New Technologies (Brussels, 15 June).
- (86) 2004. "Self-locating Belief in an Infinite Spacetime." Invited presentation for *Foundational and Philosophical Issues in Spacetime Theories*, organized by the European Science Foundation (Oxford, 14-17 March).
- (87) 2003. "The Simulation Argument: Why the Probability that You are Living in the Matrix is Quite High." Invited presentation for the *St. John's College Moral Sciences Seminar* (Cambridge, Oct 28).
- (88) 2003. "Anthropic Bias: Observation Selection Effects in Science and Philosophy." Invited presentation for *Liverpool Stapleton Society, Liverpool University*, 27 Oct.
- (89) 2003. "Observation Selection and the Big Picture." *Accelerating Change Conference 2003*, Stanford, CA.
- (90) 2003. "In Defence of Posthuman Dignity." Invited presentation at the *European Science Foundation Workshop on Science and Human Values*, Oxford.

- (91) 2003. "Anthropic Reasoning and Observation Selection Effects." *12th International Congress of Logic Methodology and Philosophy of Science*, Oviedo, Spain.
- (92) 2003. "Are You Living in a Computer Simulation?" *12th International Congress of Logic Methodology and Philosophy of Science*, Oviedo, Spain.
- (93) 2003. "Enhancing Human Capacities: Transhumanist Ethics of Technology." *12th International Congress of Logic Methodology and Philosophy of Science*, Oviedo, Spain.
- (94) 2003. "Transhumanism" Invited guest at Oxford Theological Seminar, 4 August.
- (95) 2003. "The Ethics of Superintelligent Machines." Invited speaker at *InterSymp'2003 Conference*, organized by the International Institute for Advanced Studies in Systems Research and Cybernetics, Baden-Baden, Germany, 28 July-2 August.
- (96) 2003. "Are You Living in a Computer Simulation?" *Aristotelian-Mind Association Joint Conference*, Belfast, UK, 18-20 July.
- (97) 2003. "Observation Selection Theory and the Many-Worlds Version of Quantum Mechanics." *British Society for the Philosophy of Science Conference*, Belfast, UK, 18-20 July.
- (98) 2003. "Our Human and Posthuman Dignity." Invited keynote for *Transvision 2003: The Adaptable Human Body* conference, at Yale, New Haven, Connecticut, 27-29 June.
- (99) 2003. "Our Human and Posthuman Dignity." Invited speaker at the *Ian Ramsey Centre, Oxford*, June 6.
- (100) 2003. "Human Genetic Enhancements." *Oxford Centre for Applied Ethics*, seminar presentation.
- (101) 2003. "Observation Selection Effects and Cosmological Fine-tuning." Invited speaker at *Multiverse Symposium*, Stanford, California, 27-29 March.
- (102) 2003. "Observation Selection Theory and the Sleeping Beauty Problem." Invited presentation at the *Oxford-Princeton Probability Workshop*, Oxford 17-19 March.
- (103) 2003. "Are You Living in a Computer Simulation?" Invited presentation at *Birkbeck Philosophy Society*, London, February 11.
- (104) 2002. "Are Cosmological Theories Compatible with All Possible Evidence?" *The Philosophy of Science Association* (7-10 November, Milwaukee, WI)
- (105) 2002. "Desire, Time, and Ethical Weight" *Aristotelian-Mind Association Joint Session* (5-6 July, UK)
- (106) 2002. "Are Cosmological Theories Compatible with All Possible Evidence?" *British Society for the Philosophy of Science* (4-5 July, UK)
- (107) 2002. "Are You Living in a Computer Simulation?" *Fourth European Congress for Analytic Philosophy* (14-18 June, Lund)

- (108) 2002. "The Epistemological Mystique of Self-Locating Belief." *American Philosophical Association, Central Division Meeting* (24-27 April, Chicago)
- (109) 2002. "Transhumanist Priorities." Invited speaker at the conference *The Technology of Humanity: Can Technology Contribute to the Quality of Life?* (Institute of Psychology, Illinois Institute of Technology, Chicago, 5 April)
- (110) 2002. "The Transhumanist Perspective on Germ-Line Enhancements." *The End of Natural Motherhood? Artificial Wombs and Designer Babies* (22-23 February, Tulsa)
- (111) 2001. "The Ethics of Superintelligence." *4S Conference* (Boston, November)
- (112) 2001. "Transhumanist Values." *Morality in the 21st Century* (Newark, Delaware, October)
- (113) 2001. "The Future of Humankind, Transhumanism, and Technology." Invited lecture for the *Yale Philosophical Society* (October 11)
- (114) 2001. "Who Belongs to the Moral Community? Towards Transhumanist Ethics." Invited lecture at the *Hersher Institute Programs on Ethics*. (Sacred Heart College, 10 October)
- (115) 2001. "The Epistemological Mystique of Self-Locating Belief." *British Society for the Philosophy of Science Conference* (July 5-6, York, UK).
- (116) 2001. "Existential Risks." *TransVision 2001*. (22-24 June, Berlin, Germany)
- (117) 2001. "The Ethics of Superintelligence." *Yale Bioethics Group*. (2 May, New Haven, U. S.)
- (118) 2001. "Bangs, Whimpers, Shrieks, and Crunches: How things could go horribly wrong." *Foresight Senior Associates Gathering*. (20-22 April, Palo Alto, CA).
- (119) 2000. "Cortical integration: How to store complex representations in long-term memory." *ASSC4*. (29 June-2 July, Brussels, Belgium).
- (120) 2000. "Workshop on Robotics." (Discussion moderator). *Foresight Senior Associates Gathering*. (19-21 July, Palo Alto, U.S.)
- (121) 2000. "Observation theory and its applications in cosmology, evolution theory and other fields." *Transvision MM*. (London, July 15-16)
- (122) 2000. "How to derive observational consequences from cosmological theories." *British Society for the Philosophy of Science Conference* (July 6-7, Sheffield, UK).
- (123) 2000. "Transhumanism." (Invited speaker) *Inform: Seminar XXIV*. (May 6, London)
- (124) 1999. "A subjectivist theory of objective probability." *British Society for the Philosophy of Science Conference* (July 8-9, Nottingham, UK).
- (125) 1999. "Towards a transhumanist medical ethics." (Invited speaker). *TransVision99* (May 5-6, Stockholm, Sweden)

- (126) 1999. "What is Transhumanism?" *Ninth General Assembly of the World Future Society* (July 28-August 1, Washington DC).
- (127) 1999. "Presenting transhumanism to the media." (Invited speaker). *Extro-4* (Aug. 7-8, Berkeley, USA).
- (128) 1998. "Unsolved Domsday Argument Problems." (Invited speaker) Conference on "The end of the world", *University of London School of Advanced Study* (Nov. 6, London, UK).
- (129) 1998. "The World Transhumanist Association." *TransVision98* (Veesp, the Netherlands).
- (130) 1997. "Predictions from Philosophy?" *Annual meeting of the Society for the Philosophy of Technology* (Germany).

TEACHING

Oxford

- *James Martin Advanced Research Seminars*. 2006 - . Seminar for graduate students and research staff, 3 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. 3rd-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 6th Framework Programme.

Oxford Center for Science of the Mind (OXCSOM). 2005 - 2007. Affiliated researcher and 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.

CONSULTATION AND POLICY ADVICE

2009. Consultation for Booz Allen on global risk and on risk assessment methods.

2009. Public Service Division, Prime Minister's Office, Singapore.

2008 - 2009. Cushing Academy, advising on development of a curriculum for the 21st century, with a focus on developing modules for teaching meta-cognitive skills.

2008. Macdonald High School: advice on curriculum development.

2008. Informal consultation for Booz Allen on catastrophic risk.

2008. 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. Co-organized policy forum on catastrophic risk assessment and preparedness with representatives from HM government.

2008. One policymaker briefing paper developed with Eric Knight

2008. *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. *Horizon Scanning* (London), supported by and aimed at informing the UK Minister of Education, about opportunities and challenges in education and biology-supported learning.

2007. Advising the *Science Museum* (London) on content related to an exhibition on "the science of survival"

2007. Advising the UK's *National Endowment for the Sciences, Technology, and Arts* on developing a new 5 year £25m Talent Fund

2007. Advising the *Parliamentary Office of Science and Technology* (POST) on the subject of cognitive enhancers and associated ethical issues

2006. Advisory roundtable on cognitive enhancement for the *British Medical Association and the Royal Institution* (London, November, 2006)

2006. 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 (2007-2013), Brussels

2006. London brainstorming meeting with organizers to select science and technology topic for the next *World Economic Forum in Davos*

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

2006. Expert advisor for the *Science and Technology Select Committee, House of Commons* (UK Parliament) on human enhancement policy issues, particularly sports enhancement
2006. Invited essay for the *President's Council on Bioethics* on the concept of human dignity and its application in current bioethics controversies
2006. Occasional consulting services for the Gerson Lehrman Group on a variety of topics
2005. 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
2004. Advising for *The European Group on Ethics in Science and New Technologies*, an advisory body to the European Commission (Brussels)
2004. Consultant for the *Central Intelligence Agency's Strategic Assessments Group* (Washington, DC)
2003. Expert consultant for the *European Commission* as evaluator of framework proposals for the program on Cognitive Systems (Brussels)
1998. Consulting for Proctor & Gamble on the impact of future technologies (London)

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

2006. Reviewer of funding application for the Economic and Social Research Council
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
2004. Founder (w James Hughes) of the *Institute for Ethics and Emerging Technologies*, a non-profit seeking to contribute to the understanding of the impact of emerging technologies on individuals and societies
- 1997 - 1998. Editor-in-chief of the *Journal of Evolution and Technology*

1997. 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. The *WTA / H+* now has over 4,000 members worldwide

BOARD APPOINTMENTS

- *World Economic Forum's Global Agenda Expert Council on Catastrophic Risks*, 2009
- *UNESCO, Global Ethics Observatory*, network member
- *St Cross College, Oxford* (member of the Governing Body)
- *The Nanoethics Group, Advisory Board Member*, 2005 -
- *Foundational Questions In Physics and Cosmology Institute (FQ(x)I)* (Scientific Advisory Board member)
- *WTA / H+* (Chair, co-founder)
- *Institute for Ethics and Emerging Technologies* (Chair, co-founder)
- *Oxford James Martin Institute's World Forum 2006* (On the standing committee)
- *Centre for Responsible Nanotechnology* (Task Force charter member)
- *Publications of the Astronomical Observator* (Editorial Board)
- *Journal of Evolution and Technology* (Editorial Board)
- *Betterhumans magazine* (Advisory Board)
- *Cosmist magazine* (Advisory 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

2004. Participating in seminar on Managing Research Teams organized by AHRB

2003. Participating in seminar on Small Group Teaching, organized by the Oxford Institute for the Advancement of University Learning

1997 - 1998. A series of appearances on TV as a stand-up comic; also gigs at various clubs and theatres

1997 - 1999. Competitive debating in various intervarsity tournaments

1997 - 1998. Courses in *Contemporary British Drama*, *Method Acting*, and *Improv Acting* at the City Literary Institute, and *Public Relations* at the Mary Ward Centre, London

1995. Produced and directed a minor theatrical work at Fysikum, Stockholm

1995. A volume of poetry, "Synkrotron"

1991, 1992. Two art exhibitions (oil on canvas and collage)

HONORS AND AWARDS

- 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".

- 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
- Essay “In the Great Silence there is Great Hope” nominated for the best essay for the National Magazine Awards (2008) – outcome pending
- 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* (24th Edition, 2009)
- Awarded the title *Professor of Applied Ethics* in Oxford University’s recognition of distinction exercise (2008)
- 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* (24th Edition, 2007), *Dictionary of International Biography* (34th Edition, 2007), *The Cambridge Blue Book* (2nd 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, Astronomer Royal, Cambridge University
- Professor Jeff McMahan, Department of Philosophy, Rutgers University
- Professor Peter Singer, Center for Human Values, Princeton University
- 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, London School of Economics