

**NICK BOSTROM**  
Curriculum Vitae

Future of Humanity Institute	<i>email:</i>	nick[at]nickbostrom[dot]com
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### SHORT BIO

Nick Bostrom is Professor in the Faculty of Philosophy at Oxford University. He is the founding Director of the Future of Humanity Institute, a multidisciplinary research center which enables a few exceptional mathematicians, philosophers, and scientists to think carefully about global priorities and big questions for humanity. The FHI is home to the Center for the Governance of Artificial Intelligence and to teams working on AI safety, biosecurity, macrostrategy, and various other technology or foundational questions.

Nick Bostrom is Swedish-born philosopher and polymath with a background in theoretical physics, computational neuroscience, logic, and artificial intelligence, as well as philosophy. He is the author of some 200 publications, including *Anthropic Bias* (Routledge, 2002), *Global Catastrophic Risks* (ed., OUP, 2008), *Human Enhancement* (ed. OUP, 2009), and *Superintelligence: Paths, Dangers, Strategies* (OUP, 2014), a New York Times bestseller which helped spark a global conversation about artificial intelligence. Bostrom's widely influential work, which traverses philosophy, science, ethics, and technology, has illuminated the links between our present actions and long-term global outcomes, casting new light on the human condition.

He is recipient of a Eugene R. Gannon Award, and has been listed on Foreign Policy's Top 100 Global Thinkers list twice. He was included on Prospect's World Thinkers list, the youngest person in the top 15. His writings have been translated into 28 languages, and there have been more than 100 translations and reprints of his works. He is a repeat TED speaker and has done more than 2,000 interviews with television, radio, and print media. His publications have garnered more than 13,000 academic citations. He has an h-index of 44.

### POSITIONS

#### Oxford University

2008 – present:

**Professor**, Faculty of Philosophy

2005 – present:

**Director**, Future of Humanity Institute

2011 – c. 2014:

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

2005 – c. 2014:

**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 (AFAIK).

#### **PUBLICATIONS**

##### **Books**

(1) *Die Zukunft der Menschheit* (Berlin: Suhrkamp, 2018).

- (2) *Superintelligence: Paths, Dangers, Strategies* (Oxford: Oxford University Press, 2014).
- (3) *Global Catastrophic Risks*, ed. w/ Milan Cirkovic (Oxford: Oxford University Press, 2008; paperback reprint, OUP, 2011).
- (4) *Human Enhancement*, ed. w/ Julian Savulescu (Oxford: Oxford University Press, 2009; Reprinted in paperback edition, OUP, October 2010).
- (5) *Anthropic Bias: Observation Selection Effects in Science and Philosophy* (New York: Routledge, 2002; paperback reprint, Routledge, 2010).

#### Journal papers

(*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, Global Policy, and others*)

- (6) "The Vulnerable World Hypothesis", *Global Policy*, Vol. 10, No.3 (2019): forthcoming.
- (7) "Strategic Implications of Openness in AI Development", *Global Policy*, Vol. 8, No. 2 (2017): pp. 135-148.
- (8) "Racing to the Precipice: a Model of Artificial Intelligence Development", *AI and Society*, Vol. 31, No. 2 (2016): pp. 201-206.
- (9) "The Unilateralist's Curse: The Case for a Principle of Conformity", *Social Epistemology* (2016): pp. 1-22 (w/ Anders Sandberg and Tom Douglas).
- (10) "Embryo Selection for Cognitive Enhancement: Curiosity or Game-Changer?", *Global Policy*, Vol. 5, No. 1 (2014): pp. 85-92 (w/ Carl Shulman).
- (11) "Why we need Friendly AI", *Think*, Vol. 13, No. 36 (2013): pp. 41-47 (w/ Luke Muehlhauser).
- (12) "Existential Risk Reduction as Global Priority," *Global Policy*, Vol. 4, No. 1 (2013): pp. 15-31.
- (13) "The Superintelligent Will: Motivation and Instrumental Rationality in Advanced Artificial Agents", *Minds and Machines*, Vol. 22, No. 2 (2012): pp. 71-85.
- (14) "How Hard is AI? Evolutionary Arguments and Selection Effects", *J. Consciousness Studies*, Vol. 19, Issues 7-8 (2012): pp. 103-130 (w/ Carl Shulman).
- (15) "Thinking Inside the Box: Using and Controlling an Oracle AI", *Minds and Machines*, Vol. 22 No. 4 (2012): pp. 299-324 (w/ Stuart Armstrong and Anders Sandberg).
- (16) "Information Hazards: A Typology of Potential Harms from Knowledge", *Review of Contemporary Philosophy*, Vol. 10 (2011): pp. 44-79.
- (17) "Infinite Ethics" in *Analysis and Metaphysics*, Vol. 10 (2011): pp. 9-59.
- (18) "A Patch for the Simulation Argument", *Analysis*, Vol. 71, No. 1 (2011): pp. 54-61 (w/ Marcin Kulczycki).
- (19) "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).

- (20) "Pascal's Mugging", *Analysis*, Vol. 69, No. 3 (2009): pp. 443-445.
- (21) "The Simulation Argument: Some Explanations", *Analysis*, Vol. 69, No. 3 (2009): pp. 458-461.
- (22) "Moralist, Meet Scientist; Scientist, Meet Moralist", *Nature*, Vol. 453 (2008): pp. 593-594.
- (23) "In the Great Silence there is Great Hope", *MIT Technology Review*, May/June issue (2008): pp. 72-77.
- (24) "Letter from Utopia", *Studies in Ethics, Law, and Technology*, Vol. 2, No. 1 (2008): pp. 1-7.
- (25) "Cognitive Enhancement: Methods, Ethics, Regulatory Challenges", *Science and Engineering Ethics*, Vol. 15, No. 3 (2009): pp. 311-341 (w/ Anders Sandberg).
- (26) "Sleeping Beauty and Self-Location: A Hybrid Model", *Synthese*, Vol. 157, No. 1 (2007): pp. 59-78.
- (27) "Ethical Principles in the Creation of Artificial Minds", *Analysis and Metaphysics*, Vol. 6 (2007): pp. 141-143.
- (28) "What is a Singleton?", *Linguistic and Philosophical Investigations*, Vol. 5, No. 2 (2006): pp. 48-54.
- (29) "Ethical Issues in Advanced Artificial Intelligence", *Review of Contemporary Philosophy*, Vol. 5, No. 1-2 (2006): pp. 66-73.
- (30) "A Short History of Transhumanist Thought", *Analysis and Metaphysics*, Vol. 5, No. 1-2 (2006): pp. 63-95.
- (31) "Converging Cognitive Enhancements", *Annals of the New York Academy of Sciences*, Vol. 1093 (2006): pp. 201-207 (w/ Anders Sandberg).
- (32) "Quantity of Experience: Brain-Duplication and Degrees of Consciousness", *Minds and Machines*, Vol. 16, No. 2 (2006): pp. 185-200.
- (33) "The Reversal Test: Eliminating Status Quo Bias in Bioethics", *Ethics*, Vol. 116, No. 4 (2006): pp. 656-680 (w/ Toby Ord).
- (34) "Desire, Time, and Ethical Weight", *Analysis and Metaphysics*, Vol. 4, No. 2 (2006): pp. 59-83.
- (35) "How Unlikely is a Domsday Catastrophe?", *Nature*, Vol. 438, No. 7069 (2005): p. 754 + supplementary materials (w/ Max Tegmark).
- (36) "The Simulation Argument: Reply to Brian Weatherson", *Philosophical Quarterly*, Vol. 55, No. 218 (2005): pp. 90-97.
- (37) "A History of Transhumanist Thought", *Journal of Evolution and Technology*, Vol. 14 (2005), pp. 1-25.
- (38) "Recent Arguments about Life-Extension", *Aging Horizons*, No. 3, Autumn/Winter issue (2005): pp. 28-34.
- (39) "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)].

- (40) "Understanding Quine's Thesis of Indeterminacy", *Linguistic and Philosophical Investigations*, Vol. 4, No. 1 (2005): pp. 60-96.
- (41) "Transhumanist Values", *Review of Contemporary Philosophy*, Vol. 4, No. 1-2 (2005): pp. 87-101.
- (42) "The Fable of the Dragon-Tyrant", *Journal of Medical Ethics*, Vol. 31, No. 5 (2005): pp. 273-277.
- (43) "The Mysteries of Self-Locating Belief and Anthropic Reasoning", *Harvard Review of Philosophy*, Vol. 11 (2003): pp. 59-74.
- (44) "Astronomical Waste: The Opportunity Cost of Delayed Technological Development", *Utilitas*, Vol. 15, No. 3 (2003): pp. 308-314.
- (45) "Human Genetic Enhancements: A Transhumanist Perspective", *Journal of Value Inquiry*, Vol. 37, No. 4 (2003): pp. 493-506.
- (46) "Taking Intelligent Machines Seriously: Reply to my Critics", *Futures*, Vol. 35, No. 8 (2003): pp. 901-906.
- (47) "Are You Living In A Computer Simulation?", *Philosophical Quarterly*, Vol. 53, No. 211 (2003): pp. 243-255.
- (48) "When Machines Outsmart Humans", *Futures*, Vol. 35, No. 7 (2003): pp. 759-764 (Included a Futures symposium organized around the article).
- (49) "The Doomsday Argument and the Self-Sampling Assumption: Reply to Olum", *Philosophical Quarterly*, Vol. 53, No. 210 (2003): pp. 83-91 (w/ Milan Cirkovic).
- (50) "Self-Locating Belief in Big Worlds: Cosmology's Missing Link to Observation", *Journal of Philosophy*, Vol. 99, No. 12 (2002): pp. 607-623.
- (51) "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).
- (52) "The Doomsday Argument, Adam & Eve, UN<sup>++</sup>, and Quantum Joe", *Synthese*, Vol. 127, No. 3 (2001): pp. 359-387.
- (53) "The Meta-Newcomb Problem", *Analysis*, Vol. 61, No. 4 (2001): pp. 309-310.
- (54) "Observer-Relative Chances in Anthropic Reasoning", *Erkenntnis*, Vol. 52 (2000): pp. 93-108.
- (55) "Cortical Integration: How to Store Complex Representations in Long Term Memory", *Consciousness and Cognition*, Vol.9, No 2 (2000): pp. 39S-40S.
- (56) "Cosmological Constant and the Final Anthropic Hypothesis", *Astrophysics & Space Science*, Vol. 279, No. 4 (2000): pp. 675-87 (w/ Milan Cirkovic).
- (57) "The Doomsday Argument is Alive and Kicking", *Mind*, Vol. 108, No. 431 (1999): pp. 539-550.

(58) “How Long Before Superintelligence?”, *International Journal of Futures Studies*, Vol. 2 (1998).

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

(59) “Policy Desiderata in the Development of Machine Superintelligence”, In *Ethics of Artificial Intelligence*, ed. S. M. Liao (Oxford University Press, 2019) (w/ Allan Dafau & Carrick Flynn).

(60) “Future Progress in Artificial Intelligence: A Survey of Expert Opinion”, In *Fundamental Issues of Artificial Intelligence*, ed. V. Müller (Synthese Library: Springer, 2014) (w/ Vincent Müller).

(61) “The Ethics of Artificial Intelligence”, In *The Cambridge Handbook of Artificial Intelligence*, eds. William Ramsey and Keith Frankish (Cambridge: Cambridge University Press, 2014) (w/ Eliezer Yudkowsky).

(62) Armstrong, S. & Bostrom, N. & Shulman, C. (2013): “Racing to the precipice: a model of artificial intelligence development”, *Technical Report #2013-1*, Future of Humanity Institute, Oxford University: pp. 1-8.

(63) ‘In Defense of Posthuman Dignity’, In *Arguing About Human Nature. Contemporary Debates*, eds. Edouard Machery and Stephen Downes (London: Routledge, 2013) pp. 574-581.

(64) ‘A critical Discussion of Vinge’s Singularity Concept’, In *The Transhumanist Reader. Classical and Contemporary Essays on the Science, Technology and Philosophy of the Human Future*, eds. Max More and Natasha Vita-More (Chichester: Wiley-Blackwell, 2013) pp. 395-417.

(65) “Letter from Utopia”, Reprinted in *Nexus: Beschavingsidealen: Beethoven of Superman?*, Vol. 57 (2011): pp. 151-158.

(66) “Machine Intelligence Survey”, *Technical Report #2011-1*, The Future of Humanity Institute, Oxford University (w/ Anders Sandberg).

(67) “Smart Policy: Cognitive Enhancement and the Public Interest”, In *Enhancing Human Capabilities*, eds. Julian Savulescu, Ruud ter Muelen, and Guy Kahane (Oxford: Wiley-Blackwell, 2011): pp. 138-149 (w/ Rebecca Roache).

(68) 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).

(69) “Why I Want to be a Posthuman When I Grow Up”, In *Medical Enhancement and Posthumanity*, The International Library of Ethics, Law and Technology series, eds. Bert Gordijn and Ruth Chadwick (Dordrecht: Springer, 2008, reprinted in 2010): pp. 107-137.

(70) “Super Human”, *Business Voice: The CBI Magazine*, March Issue (2010).

(71) “Betting for Britain”, *Wired UK*, January 10 issue, (2010), pp. 96-97.

(72) “Ideas of the Century: The Simulation Argument”, *TPM: The Philosophers’ Magazine*, Issue 50, (2010): pp. 28-29.

(73) “Superintelligence”, In *This Will Change Everything: Ideas That Will Shape the Future*, ed. John Brockman

(New York: Harper Perennial, 2009): pp. 111-114.

(74) “The Wisdom of Nature: An Evolutionary Heuristic for Human Enhancement”, In *Human Enhancement*, eds. Julian Savulescu and Nick Bostrom (Oxford: Oxford University Press, 2009): pp. 375-416 (w/ Anders Sandberg).

(75) 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).

(76) “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.

(77) “The Future of Humanity”, Invited anthology chapter for *New Waves in Philosophy of Technology*, eds. Jan-Kyrre Berg Olsen, Evan Selinger & Soren Riis Aldershot (Basingstoke: Palgrave Macmillan, 2009): pp. 186-216.

(78) “Brain-Boosters”, In *Unnatural Selection: The Challenges of Engineering Tomorrow’s People*, eds. Peter Healey and Steve Rayner (Sterling: London, 2009): pp. 129-141 (w/ Anders Sandberg).

(79) “Enhancement Ethics: The State of the Debate”, In *Human Enhancement*, eds. Julian Savulescu and Nick Bostrom (Oxford: Oxford University Press, 2009): pp. 1-22 (w/ Julian Savulescu).

(80) “How to Enhance Human Beings”, In *What’s Next?: Dispatches on the Future of Science: Original Essays from a New Generation of Scientists*, ed. Max Brockman (New York: Vintage, 2009): pp. 25-39 (also published in Germany, Italy, Spain, Holland, Korea, China, and Turkey).

(81) Whole Brain Emulation: A Technical Roadmap”, *Technical Report #2008-3*, The Future of Humanity Institute, Oxford University (w/ Anders Sandberg).

(82) 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).

(83) “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.

(84) “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.

(85) “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.

(86) “The Dread Planet: Why Finding Fossils on Mars Would Be Extremely Bad News for Humanity”, *Sunday Boston Globe*, 25 May (2008): pp. D1-D4.

(87) “Enhancement and Dignity”, In *Human Dignity and Bioethics: Essays Commissioned by the President’s Council on Bioethics* (Washington, D.C.: 2008): pp. 173-207.

- (88) “Drugs Can be Used to Treat More than Disease”, *Nature*, Vol. 452, No. 7178 (2008): p. 520.
- (89) “The Doomsday Argument”, *Think: Philosophy for Everyone* (Spring 2008): pp. 17-18, 23-27.
- (90) “Where Are They?”, *Technology Review*, Vol. 111, Issue 3 (2008): pp. 72-77.
- (91) “Three Big Problems”, In *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).
- (92) “Ethical Principles in the Creation of Artificial Minds”, *Linguistic and Philosophical Investigations*, Vol. 6 (2007): pp. 183-184.
- (93) “Human vs. Posthuman”, *Hastings Center Report*, Vol. 37, No. 5 (2007): pp. 4-5.
- (94) “Ethical Issues in Human Enhancement”, Invited anthology chapter for *New Waves in Applied Ethics*, eds. Jesper Ryberg, Thomas Petersen & Clark Wolf (New York: Palgrave Macmillan, 2008): pp. 120-152 (w/ Rebecca Roache).
- (95) “Ethical and Political Challenges to the Prospect of Life Extension”, Invited article for *World Demographics Association Proceedings* (2007).
- (96) “Technological Revolutions and the Problem of Prediction”, In *Nanoethics: The Ethical and Social Implications of Nanotechnology*, eds. Fritz Allhoff, Patrick Lin, Jim Moor and John Weckert (Hoboken, NJ: Wiley-Interscience, 2007): pp. 101-118.
- (97) “Technological Revolutions: Ethics and Policy in the Dark”, In *Nanoscale: Issues and Perspectives for the Nano Century*, eds. Nigel M. de S. Cameron and M. Ellen Mitchell (Hoboken, NJ: John Wiley, 2007): pp. 129-152.
- (98) “Observation Selection Theory and Cosmological Fine-tuning”, Invited chapter in *Universe or Multiverse?*, ed. Bernard Carr (Cambridge University Press: Cambridge, 2007): pp. 431-443.
- (99) “Do We Live in a Computer Simulation?”, *New Scientist*, Vol. 192, No. 2579, 19 November (2006): pp. 38-39.
- (100) “Nanoethics and Technological Revolutions: A Précis”, *Nanotechnology Perceptions: A Review of Ultraprecision Engineering and Nanotechnology*, Vol. 2 (1b), May Issue (2006).
- (101) “The Singularity”, Invited chapter in *Better Humans?: The Politics of Human Enhancement and Life Extension*, eds. Paul Miller and James Wilsdon (London: DEMOS, 2006).
- (102) “Dinosaurs, Dodos, Humans?”, Invited article for *Global Agenda*, the annual publication of the World Economic Forum, January issue (2006): pp. 230-231.
- (103) “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, CA: Ria University Press, 2006).
- (104) “Re: The Benevolent Dragon”, *Journal of Medical Ethics*, 24 June, 31/5/273#332, e-letter section (2005).

- (105) “Scientists Find Death Can Damage Your Health”, *Journal of Medical Ethics*, 31/5/273#308, e-letter section (2005).
- (106) “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.
- (107) “A Proactive Response to the Tsunami Disaster”, *Better Humans*, 01/19/2005 (2005).
- (108) “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, CA, 2005).
- (109) “Why Make a Matrix? And Why You Might Be In One”, In *More Matrix and Philosophy*, ed. William Irwin. Popular Culture and Philosophy Series. (New York: Open Court, 2005): pp. 81-92.
- (110) “Transhumanism: The World’s Most Dangerous Idea?”, *Foreign Policy* (2004).
- (111) “Who Wants to Live Forever?”, In *Essays on Infinite Lifespans*, ed. Immortality Institute (Libros En Red Press, 2004).
- (112) “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, CA: Ria University Press, 2004): pp. 339-371.
- (113) “Is Transhumanism the World’s Most Dangerous Idea?”, *BetterHumans*, 10/19/2004 (2004).
- (114) “The Transhumanist FAQ v.2.1”, published by the World Transhumanist Association (2004).
- (115) “Free Will: What’s the Transhumanist Position?”, *BetterHumans*, no. 1/9/2004 (2004).
- (116) “Transhumanist Values”, In *Ethical Issues for the 21st Century*, ed. Frederick Adams (Philosophical Documentation Center Press, 2004).
- (117) “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).
- (118) “The Simulation Argument: Why the Probability that You are Living in the Matrix is Quite High”, *Times Higher Educational Supplement*, May 16 (2003).
- (119) “The Ethics of Superintelligent Machines”, *Proceedings of the InterSymp’2003 Conference*, International Institute for Advanced Studies in Systems Research and Cybernetics (2003).
- (120) “Reasons for Doubting Design: Response to Swinburne”, *THINK*, issue 4 (2003).
- (121) “Human Extinction”, invited article for *Encyclopedia of Population*, eds. Paul Demeny and Geoffrey McNicoll (New York: Macmillan, 2003).
- (122) “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 (Dallas, TX: BenBella Books, 2003).

- (123) "Cars in the Other Lane Really Do Go Faster", *PLUS*, issue 17 (2001).
- (124) "Against Ageing", *The Longevity Meme* (2001).
- (125) "Transhumanism – An Idea Whose Time Has Come", In *Doctor Tandy's First Guide to Life Extension and Transhumanity* (Palo Alto, CA: Ria University Press, 2001).
- (126) "A Primer on the Doomsday Argument", Invited feature in *ephilosopher.com* (2001).
- (127) "The Disturbing Doomsday Argument", *The Actuary*, March issue (2001).
- (128) "Who's Afraid of Life?", *Science Magazine*, 9 May issue (2000).
- (129) "What Is Transhumanism?", *Sawaal*, August issue (2000).
- (130) "Is the End Nigh?", *Philosopher's Magazine*, Issue 9 (2000).
- (131) "Predictions from Philosophy", *Coloquia Manilana (PDCIS)*, Vol. 7 (1999).
- (132) "The Doomsday Argument". *Coloquia Manilana (PDCIS)*, Vol. 7 (1999).
- (133) "Singularity and Predictability", *Extropy*, October issue (1998).

#### **Reprints and translations**

(My writings have been translated into 28 different languages. Many have been reprinted in anthologies.)

- (134) *Die Zukunft der Menschheit*, (Berlin: suhrkamp taschenbuch wissenschaft, 2018; various articles translated into German by Jan-Erik Strasser).
- (135) "The Fable of the Dragon Tyrant", translated into Turkish by Mevcut Diğ̈er (2019): <http://thescienceexperts.com/the-fable-of-the-dragon-tyrant/> (originally published in *Journal of Medical Ethics*, Vol. 31, No. 5 (2005): pp. 273-277).
- (136) "The Simulation Argument: Why the Probability that You Are Living in the Matrix is Quite High", reprinted in *Science, Fiction and Philosophy: From Time Travel to Superintelligence 2<sup>nd</sup> ed.*, by Susan Schneider (Oxford: John Wiley & Sons Inc., July 2015).
- (137) "Transhumanist Values", reprinted in *Science, Fiction and Philosophy: From Time Travel to Superintelligence 2<sup>nd</sup> ed.*, by Susan Schneider (Oxford: John Wiley & Sons Inc., July 2015).
- (138) "The Transhumanist FAQ: A General Introduction, Version 2.1 (2003)", reprinted in *"Transhumanism and the Body: The World Religions Speak"*, eds. Calvin Mercer and Derek F. Maher (New York: Palgrave Macmillan, 2014).
- (139) "Are You Living in a Computer Simulation?", translated into Kah by Yauh Kah (2014): <http://www.kwesho.com/alhaiboanyansadalha.pdf> (originally published in *Philosophical Quarterly*, Vol. 53, No. 211, (2003): pp. 243-255 [First version: 2001]).
- (140) "Astronomical Waste: The Opportunity Cost of Delayed Technological Development", translated into

Russian in <http://science.eduboard.com/> (2013).

(141) “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 (2012).

(142) “The Fable of the Dragon Tyrant”, reprinted in *Philosophy Now*, Issue 89 (March/April 2012).

(143) “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, CA: Ria University Press, 2012).

(144) “A History of Transhumanist Thought”, reprinted in *Academic Writing Across the Disciplines*, eds. Michael Rectenwald and Lisa Carl (New York: Pearson Longman, 2012).

(145) “Human Genetic Enhancements: A Transhumanist Perspective”, reprinted in *Arguing About Bioethics*, ed. Stephan Holland. Arguing About Philosophy Series. (London: Routledge, 2012).

(146) “Letter from Utopia”, translated into French by Jill Drouillard (2012).

(147) “Letter from Utopia”, reprinted in *Geopolitics, History, and International Relations* (2012).

(148) *Global Catastrophic Risks*, eds. Nick Bostrom and Milan Cirkovic, translated into Serbian (HELIKS of Smederevo) (2012).

(149) “Why We Need Friendly AI”, reprinted in *Science, Fiction and Philosophy: From Time Travel to Superintelligence* 2nd ed., by Susan Schneider (Oxford: John Wiley & Sons Inc., 2015) (w/ Luke Muehlhauser).

(150) “Existential Risks: Analyzing Human Extinction Scenarios”, translated into Belorussian by Galina Miklosic (2012).

(151) “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/).

(152) “A History of Transhumanist Thought”, translated into Spanish by Antonio Calleja-Lopez and reprinted in *Argumentos de Razon Tecnica* (2011).

(153) “The Simulation Argument,” reprinted in *Four Fundamental Questions: An Introduction to Philosophy* by Richard Bilsker. (Kendall/Hunt Publishing Company, 2011).

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- (174) “The Future of Human Evolution”, reprinted in *Bedeutung*, Issue 3: Life and Death (2009).
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- (176) “Are You in a Computer Simulation?”, reprinted in *Science Fiction and Philosophy: From Time Travel to Superintelligence*, ed. Susan Schneider (Oxford: Wiley-Blackwell, 2009): pp. 20-23.
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- (182) “Existential Risks: Analyzing Human Extinction Scenarios and Related Hazards”, reprinted in *Crisis Management*, ed. Arjen Boin (London: SAGE Publications, 2008).
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- (186) “How Improbable Is a Doomsday Catastrophe?”, translated into Belorussian 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).
- (187) “A Primer on the Doomsday Argument”, translated into Belorussian by Alexei Turchin (2007): [www.proza.ru/texts/2007/04/13-34.html](http://www.proza.ru/texts/2007/04/13-34.html).
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- (198) “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*).
- (199) “The Singularity”, translated into Romanian [“Bun venit în lumea schimbărilor exponențiale”] for *Net SF*, 30 March 2006.
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- (201) “The Future of Human Evolution”, reprinted in *Futurology- Forecasts and Initiatives*, ed. P. Bala Bhaskaran (Hyderabad: ICFAI University Press, 2006).
- (202) “How Long Before Superintelligence?”, reprinted with a new postscript in *Linguistic and Philosophical Investigations*, Vol. 5, No. 1 (2006), pp. 11-30.
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- (210) “A Short History of Transhumanist Thought”, reprinted in *Man into Superman*, by R.C.W. Ettinger, ed. Charles Tandy. Cultural Classics Series. (Palo Alto, CA: Ria University Press, 2005): pp. 315-349 (Also, the book is dedicated to Nick Bostrom).
- (211) “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, CA: Ria University Press, 2005) (Also translated into Hebrew and Finnish).
- (212) “Transhumanist Values”, reprinted in *Review of Contemporary Philosophy*, Vol. 4, No. 1-2, pp. 87-101 (Has also been translated into Slovenian).
- (213) “The Fable of the Dragon-Tyrant”, translated into Spanish [“El envejecimiento es una tiránico dragón que puede ser abatido”] for *Megatendencias*, 20 August 2005.
- (214) “The Transhumanist FAQ v.2.1”, translated into German, Hungarian, Dutch, Italian, Polish, Finnish, and Spanish (2005).
- (215) “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).
- (216) “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).
- (217) “In Defense of Posthuman Dignity”, reprinted in *Physical Immortality*, 2<sup>nd</sup> quarter issue (2005).
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- (220) “Why Make a Matrix? And Why You Might Be In One”, reprinted in *Riverview Rants*, 2004.
- (221) “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, CA: Ria University Press, 2004): pp. 339-372.

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## TEACHING

### Oxford

- *James Martin Advanced Research Seminars*. 2006 – 2012. Weekly seminars for graduate students and research staff, three terms each year, 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

## PROFESSIONAL SERVICE

Internal examiner for various *DPhil* and *MPhil* theses at Oxford University. Chairing selection committees (incl. *Oxford Martin School*, *Oxford Uehiro Centre for Practical Ethics* and the *Oxford Centre for Neuroethics*, *Programme on Ethics in the New Biosciences*, *Neuroscience of Consciousness*, for the *Oxford Centre for Science of the Mind*, and the

*Future of Humanity Institute*). Examiner for the PPP and Theology prelims exams. 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. Refereeing for journals: *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*. Refereeing for book publishers: *Oxford University Press*, *Princeton University Press*.

## **PUBLIC SPEAKING**

Delivered over 300 keynotes, fireside chats, and panel discussions, to audiences with diverse backgrounds, including technical AI researchers, policy makers, statesmen/politicians, business leaders, and the general public. He is a three-times repeat TED (main-stage) speaker. He has given keynotes, or participated in panel discussions or fireside chats at Machine learning conferences, cybersecurity conferences, World Knowledge Forum, World Intelligence Congress, Ethics of AI conference, AAAI conference, Global Investment Forum, G20, The Conversation, Bank of England, Tech for Good Conference hosted by President Macron, LA Summit, Doha Debates, and numerous other events.

## **GRANTS & FUNDRAISING**

- £13,200,000. Obtained research grant from the Open Philanthropy Project for the Future of Humanity Institute (2018-2023).
- £1,620,000. Obtained research grant from the Open Philanthropy Project for the Future of Humanity Institute (2017-2026).
- £2,000,000. Obtained research grant from the Leverhulme Trust for the Future of Humanity Institute (2016-2026).
- £1,531,000. Obtained research grant from the European Research Council's Horizon 2020 programme for the Future of Humanity Institute (2015-2020).
- £284,000. Obtained research grant from the Future of Life Institute for the Future of Humanity Institute (2015-2019).
- £59,000. Obtained research grant from the John Templeton Foundation for the Future of Humanity Institute (2015-2018).
- £465,000. Obtained research grant from private donor for the Future of Humanity Institute (2015-2018).
- £900,000. Obtained research grant from Amlin for the Future of Humanity Institute (2013-2016).
- £225,000. Obtained research grant from private donor for the Future of Humanity Institute (2012-2015).
- £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).
- £1,200,000. Obtained grant for the "Programme on the Impacts of Future Technology" project (2011-2014).
- £225,000. Obtained research grant from private donor for Programme on the Impacts of the Future Technology (2011-2013).
- £108,000. Obtained extension grant (2012) for the Future of Humanity Institute from the Oxford Martin School at Oxford University (2011).
- £72,000. Total additional private grants obtained for the Future of Humanity Institute (2008-2012).

- £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 (2008).
- \$ 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 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 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).

## **MEDIA**

More than 2,000 interviews for television, radio, newspapers, documentaries, magazines, and podcasts all over the world, 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, The Atlantic, Times Higher Educational Supplement, Le Devoir, Toronto and Ottawa Suns, L’Hebdo, Utildnings Radion, Boston Globe, The Sunday Herald, Nature, New Scientist, Science & Avenir, Volkskrant, Discover Magazine, Forbes*, and many others.

## **POLICY ADVICE & CONSULTATIONS**

*House of Lords (select committees on Artificial Intelligence and on Digital Skills, UK Government Office for Science), The MacArthur Foundation, National Science Foundation, Foresight Horizon Scanning Centre (Government Office for Science), World Economic Forum, to special adviser to the Prime Minister, 10 Downing Street, US State Department’s Global Futures Forum, Prime Minister’s Office (Singapore), Princess of Thailand’s Miracle of Life Foundation, British Medical Association and the Royal Institution, European Commission, US President’s Council on Bioethics, Science and Technology Select Committee, House of Commons (UK Parliament), the European Group on Ethics in Science and New Technologies, among others.*

## **HONORS & AWARDS**

- Included in the Prospect magazine’s Top World Thinkers list, as the youngest person in the top 15 from all fields and as the highest-ranked analytic philosopher (2014).
- Professorial Distinction Award from the Oxford University (2013).
- 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 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).
- Made professor 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 Defense 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 effect.
- 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