

MARTIN PETERSON

AREAS OF SPECIALIZATION

Ethics of Technology, Normative Ethics, Decision Theory

EDUCATION

1. Ph.D., Philosophy, KTH Royal Institute of Technology, Stockholm, 2003.
2. M.A., Philosophy, Stockholm University, 1998.

FACULTY APPOINTMENTS

1. Professor of Philosophy and Sue G. and Harry E. Bovay Jr. Professor of the History and Ethics of Professional Engineering, 2014 –, Texas A&M University.
2. Professor, 2013 – 2014, Associate Professor, 2009 – 2013, Eindhoven University of Technology.
3. Research Fellow, 2005 – 2008, University of Cambridge.
4. Assistant Professor (with tenure), up to 75% of full time, 2004 – 2008, Luleå University of Technology.
5. Research Fellow, followed by a position as Assistant Professor (with tenure), part time, 2003 – 2009, KTH Royal Institute of Technology.

VISITING POSITIONS

1. University of Cambridge (UK), Visiting Fellow in the Department of History and Philosophy of Science, Lent Term 2012.
2. University of Cambridge (UK), Senior Member (non-resident) of Wolfson College, 2005 – 2008.
3. Stockholm University (SWE), Researcher in the Department of Philosophy, 10% of full time, 2009 – 2012.

BOOKS

1. *Ethics in the Gray Area: A Gradualist Theory of Right and Wrong*, Cambridge University Press, 2023.
2. *Ethics for Engineers*, Oxford University Press, 2019.
3. *The Ethics of Technology: A Geometric Analysis of Five Moral Principles*, Oxford University Press, 2017.
4. *The Dimensions of Consequentialism*, Cambridge University Press, 2013.
5. *An Introduction to Decision Theory*, Cambridge University Press, 2009. 2nd ed. 2017.
6. *Non-Bayesian Decision Theory*, Springer, 2008.

EDITED BOOK

1. *The Prisoner's Dilemma*, Cambridge University Press, 2015.

PAPERS AND CHAPTERS

1. P. van Oossanen and M. Peterson, "Australia II: A case study in engineering ethics," *Science and Engineering Ethics*, in press.
2. M. Peterson and B. Fröding, "Privacy in a Smart City," *Nordic Journal of Applied Ethics*, in press.
3. M. Peterson, "Value Change, Energy Systems, and Rational Choice: The Expected Center of Gravity Principle," *Science and Engineering Ethics*, vol. 29, no. 3, p. 13, 2023.
4. M. Peterson and P. Gärdenfors, "How to measure value alignment in AI," *AI and Ethics*, pp. 1-14, 2023.
5. Sabat, E. Nault, S. S. Fortney, M. B. Peterson, and D. Banerjee, "Diversity, Inclusion, and Equity in the Engineering Curriculum: Evaluating the Efficacy of a New Teaching Module," *Advances in Engineering Education*, vol. 11, no. 3, pp. 54-76, 2023.
6. M. Peterson, "What Do Technical Functions Supervene On?," *Techne: Research in Philosophy & Technology*, vol. 26, no. 3, 2022.
7. M. Peterson, "Moral rightness comes in degrees," *Journal of the American Philosophical Association*, vol. 8, no. 4, pp. 645-664, 2022.
8. M. Peterson, "Abortion Is Neither Right Nor Wrong," *The Journal of Value Inquiry*, vol. 56, no. 2, pp. 219-240, 2022.
9. S. Verheyen and M. Peterson, "Can we use conceptual spaces to model moral principles?," *Review of Philosophy and Psychology*, vol. 12, pp. 373-395, 2021.
10. M. Peterson, "Standard Decision Theory," Knauff, Markus, and Wolfgang Spohn, eds. *The Handbook of Rationality*. MIT Press, 2021.
11. M. Peterson and C. Seidel, "The Deontic Transfer Principle," *Erkenntnis*, vol. 86, pp. 1185-1195, 2021.
12. B. Fröding and M. Peterson, "Friendly AI," *Ethics and Information Technology*, vol. 23, pp. 207-214, 2021.
13. A. Jonsson and M. Peterson, "Consequentialism in infinite worlds," *Analysis*, vol. 80, no. 2, pp. 240-248, 2020.
14. P. Sandin and M. Peterson, "Is the precautionary principle a midlevel principle?," *Ethics, Policy & Environment*, vol. 22, no. 1, pp. 34-48, 2019.
15. M. Peterson, "The value alignment problem: a geometric approach," *Ethics and Information Technology*, vol. 21, pp. 19-28, 2019.
16. M. Peterson, "The St. Petersburg Paradox," *The Stanford Encyclopedia of Philosophy*, Edward N. Zalta & Uri Nodelman (eds.), 2019.
17. M. Peterson, "Interval values and rational choice," *Economics & Philosophy*, vol. 35, no. 1, pp. 159-166, 2019.
18. M. Peterson, "The ethics of technology: Response to critics," *Science and Engineering Ethics*, vol. 24, no. 5, pp. 1645-1652, 2018.
19. M. Peterson, "The Anti-Nihilist Wager," *Dialectica*, vol. 72, no. 4, pp. 597-602, 2018.
20. M. Peterson and P. Vallentyne, "Self-prediction and self-control," *Self-Control, Decision Theory, and Rationality: New Essays*, vol. 48, no. 10, pp. 375-388, 2018.
21. M. Peterson, "Yes, the precautionary principle is incoherent," *Risk Analysis*, vol. 37, no. 11, pp. 2035-2038, 2017.
22. M. Peterson, "What is the Point of Thinking of New Technologies as Social Experiments?," *Ethics, Policy & Environment*, vol. 20, no. 1, pp. 78-83, 2017.
23. M. Peterson, "The ethics of technology: A geometric analysis of five moral principles," ed: Oxford University Press, 2017.
24. J. A. Carter and M. Peterson, "The modal account of luck revisited," *Synthese*, vol. 194, pp. 2175-2184, 2017.

25. R. Lowry and M. Peterson, "Pure Time Preference: Reply to Johansson and Rosenqvist," *Pacific Philosophical Quarterly*, vol. 97, no. 3, pp. 442-445, 2016.
26. M. Peterson, "The Dimensions of Consequentialism: Reply to Schmidt, Brown, Howard-Snyder, Crisp, Andric and Tanyi, and Gertken," *Ethical Theory and Moral Practice*, vol. 19, pp. 71-82, 2016.
27. M. Peterson, "The Decisional Value of Information," in *The Routledge Handbook of Philosophy of Information*: Routledge, 2016, pp. 153-163.
28. M. Peterson, "Radical Evaluative Ignorance," in *Perspectives on Ignorance from Moral and Social Philosophy*: Routledge, 2016, pp. 134-155.
29. M. Peterson, "Does Moral Rightness Come in Degrees?," *The Philosophers' Magazine*, no. 74, pp. 34-38, 2016.
30. M. Peterson, "Do pragmatic arguments show too much?," *European Journal for Philosophy of Science*, vol. 6, pp. 165-172, 2016.
31. J. A. Carter, M. Peterson, and B. van Bezooijen, "Not knowing a cat is a cat: Analyticity and knowledge ascriptions," *Review of Philosophy and Psychology*, vol. 7, pp. 817-834, 2016.
32. J. A. Carter and M. Peterson, "On the epistemology of the precautionary principle: Reply to Steglich-Petersen," *Erkenntnis*, vol. 81, pp. 297-304, 2016.
33. M. Peterson, "Prospectism and the weak money pump argument," *Theory and Decision*, vol. 78, pp. 451-456, 2015.
34. J. Adam Carter and M. Peterson, "On the epistemology of the precautionary principle," *Erkenntnis*, vol. 80, pp. 1-13, 2015.
35. B. Fröding and M. Peterson, "How to be a Virtuous Recipient of a Transplant Organ," in *Organ Transplantation in Times of Donor Shortage: Challenges and Solutions*: Springer International Publishing Cham, 2015, pp. 89-98.
36. R. Hillerbrand and M. Peterson, "Nuclear power is neither right nor wrong: The case for a tertium datur in the ethics of technology," *Science and Engineering Ethics*, vol. 20, pp. 583-595, 2014.
37. M. Peterson, "Consequentialism," *The Encyclopedia of Political Thought*, pp. 697-700, 2014.
38. M. Peterson and S. D. Zwart, "Introduction: Values and norms in modeling," *Studies in History and Philosophy of Science*, vol. 46, pp. 1-2, 2014.
39. S. Diekmann and M. Peterson, "The role of non-epistemic values in engineering models," *Science and Engineering Ethics*, vol. 19, pp. 207-218, 2013.
40. M. Peterson, "New technologies should not be treated as social experiments," *Ethics, Policy & Environment*, vol. 16, no. 3, pp. 349-351, 2013.
41. M. Peterson, "A Generalization of the Pasadena Puzzle," *Dialéctica*, vol. 67, no. 4, pp. 597-603, 2013.
42. M. Peterson and P. Sandin, "The last man argument revisited," *The Journal of Value Inquiry*, vol. 47, pp. 121-133, 2013.
43. K. Vaesen, M. Peterson, and B. Van Bezooijen, "The reliability of armchair intuitions," *Metaphilosophy*, vol. 44, no. 5, pp. 559-578, 2013.
44. B. Fröding and M. Peterson, "Why computer games can be essential for human flourishing," *Journal of Information, Communication and Ethics in Society*, vol. 11, no. 2, pp. 81-91, 2013.
45. R. Lowry and M. Peterson, "Cost-benefit analysis and non-utilitarian ethics," *Politics, Philosophy & Economics*, vol. 11, no. 3, pp. 258-279, 2012.
46. S. Roeser, R. Hillerbrand, P. Sandin, and M. Peterson, *Handbook of Risk Theory: Epistemology, Decision Theory, Ethics, and Social Implications of Risk*, ed: Springer Netherlands, 2012.
47. N. Espinoza and M. Peterson, "Risk and Mid-Level Moral Principles," *Bioethics*, vol. 26, no. 1, pp. 8-14, 2012.
48. N. Espinoza and M. Peterson, "How to depolarise the ethical debate over human embryonic stem cell research (and other ethical debates too!)," *Journal of Medical Ethics*, vol. 38, no. 8, pp.

- 496-500, 2012.
49. M. Peterson, "Multi-Dimensional Consequentialism," *Ratio*, vol. 25, no. 2, pp. 177-194, 2012.
 50. M. Peterson and N. Espinoza, "Risk and Degrees of Rightness," in *Norms in Technology*: Springer Netherlands Dordrecht, 2012, pp. 193-206.
 51. M. Peterson and M. de Vries, "Do new technologies give rise to new ethical issues?: some reflections on nanotechnology," in *Nanotechnologies: towards a shift in the scale of ethics?* EME/CEI, 2012, pp. 87-100.
 52. J. E. Gustafsson and M. Peterson, "A computer simulation of the argument from disagreement," *Synthese*, vol. 184, pp. 387-405, 2012.
 53. E. Selinger, D. Ihde, I. van de Poel, M. Peterson, and P.-P. Verbeek, "Peter Paul Verbeek and a Postphenomenological Mirror," *Philosophy & Technology*, vol. 25, no. 4, pp. 610-616, 2012.
 54. B. Fröding and M. Peterson, "Why virtual friendship is no genuine friendship," *Ethics and Information Technology*, vol. 14, pp. 201-207, 2012.
 55. B. Fröding and M. Peterson, "Virtuous choice and parity," *Ethical Theory and Moral Practice*, vol. 15, no. 1, pp. 71-82, 2012.
 56. M. Peterson, "The mixed solution to the number problem," in *Ethics and Moral Philosophy*: Brill, 2011, pp. 357-369.
 57. M. Peterson, "Pandemic influenza and utilitarianism," *Bioethics*, vol. 25, no. 5, 2011.
 58. M. Peterson, "Is there an ethics of algorithms?," *Ethics and Information Technology*, vol. 13, no. 3, 2011.
 59. R. Lowry and M. Peterson, "Pure time preference," *Pacific Philosophical Quarterly*, vol. 92, no. 4, pp. 490-508, 2011.
 60. M. Peterson, "A new twist to the St. Petersburg paradox," *The Journal of Philosophy*, vol. 108, no. 12, pp. 697-699, 2011.
 61. M. Peterson and A. Spahn, "Can technological artefacts be moral agents?," *Science and Engineering Ethics*, vol. 17, pp. 411-424, 2011.
 62. F. Kraemer, K. Van Overveld, and M. Peterson, "Is there an ethics of algorithms?," *Ethics and Information Technology*, vol. 13, pp. 251-260, 2011.
 63. B. Fröding and M. Peterson, "Animal ethics based on friendship," *Journal of Animal Ethics*, vol. 1, no. 1, pp. 58-69, 2011.
 64. B. Fröding and M. Peterson, "Animals and friendship: A reply to Rowlands," *Journal of Animal Ethics*, vol. 1, no. 2, pp. 187-189, 2011.
 65. M. Peterson, "Some versions of the number problem have no solution," *Ethical Theory and Moral Practice*, vol. 13, pp. 439-451, 2010.
 66. M. Peterson, "Can consequentialists honour the special moral status of persons?," *Utilitas*, vol. 22, no. 4, pp. 434-446, 2010.
 67. M. Peterson, "A royal road to consequentialism?," *Ethical Theory and Moral Practice*, vol. 13, pp. 153-169, 2010.
 68. M. Peterson and P. Sandin, "Guest editors' introduction: The philosophy of risk," *Journal of Risk Research*, vol. 13, No. 2, pp. 135-136, 2010.
 69. M. Peterson, "Do WHO guidelines on pandemic influenza follow biomedical ethics?": E-letter responses to Martin Enserink and Jocelyn Kaiser: Devilish dilemmas surround pandemic flu vaccine: *Science* 2009; 324: 702-705," 2009.
 70. N. Espinoza and M. Peterson, "Incomplete preferences in disaster risk management," *International Journal of Technology, Policy and Management*, vol. 8, no. 4, pp. 341-358, 2008.
 71. M. Peterson, "Utility," *Nonbayesian Decision Theory: Beliefs and Desires as Reasons for Action*, pp. 81-94, 2008.
 72. M. Peterson, "The moral importance of selecting people randomly," *Bioethics*, vol. 22, no. 6,

- pp. 321-327, 2008.
73. M. Peterson and N. Espinoza, "Incomplete preferences in disaster risk management," *International Journal of Technology Policy and Management* vol. 8, 2008.
 74. M. Peterson, "The precautionary principle should not be used as a basis for decision-making: Talking Point on the precautionary principle," *EMBO reports*, vol. 8, no. 4, pp. 305-308, 2007.
 75. M. Peterson, "Should the precautionary principle guide our actions or our beliefs?," *Journal of Medical Ethics*, vol. 33, no. 1, pp. 5-10, 2007.
 76. M. Peterson, "Parity, clumpiness and rational choice," *Utilitas*, vol. 19, no. 4, pp. 505-513, 2007.
 77. M. Peterson, "On multi-attribute risk analysis," in *Risk: philosophical perspectives*: Routledge, 2007, pp. 78-93.
 78. P. Wikman-Svahn, M. Peterson, and S. O. Hansson, "Principles of protection: a formal approach for evaluating dose distributions," *Journal of Radiological Protection*, vol. 26, no. 1, p. 69, 2006.
 79. N. Möller, S. O. Hansson, and M. Peterson, "Safety is more than the antonym of risk," *Journal of Applied Philosophy*, vol. 23, no. 4, pp. 419-432, 2006.
 80. M. Peterson, "The precautionary principle is incoherent," *Risk Analysis*, vol. 26, no. 3, pp. 595-601, 2006.
 81. M. Peterson, "Indeterminate preferences," *Philosophical Studies*, vol. 130, pp. 297-320, 2006.
 82. M. Peterson and S. O. Hansson, "Order-independent transformative decision rules," *Synthese*, vol. 147, pp. 323-342, 2005.
 83. M. Peterson and S. O. Hansson, "Equality and priority," *Utilitas*, vol. 17, no. 3, pp. 299-309, 2005.
 84. L. Sjöberg, M. Peterson, J. Fromm, Å. Boholm, and S. O. Hanson, "Neglected and overemphasized risks: the opinions of risk professionals," *Journal of Risk Research*, vol. 8, no. 7-8, pp. 599-616, 2005.
 85. M. Peterson, "Transformative decision rules, permutability, and non-sequential framing of decision problems," *Synthese*, vol. 139, pp. 387-403, 2004.
 86. M. Peterson, "From outcomes to acts: a non-standard axiomatization of the expected utility principle," *Journal of Philosophical Logic*, vol. 33, pp. 361-378, 2004.
 87. M. Peterson, "Foreign aid and the moral value of freedom," *Ethical Theory and Moral Practice*, vol. 7, pp. 293-307, 2004.
 88. M. Peterson and S. O. Hansson, "On the application of rights-based moral theories to siting controversies," *Journal of Risk Research*, vol. 7, no. 2, pp. 269-275, 2004.
 89. M. Peterson, "Transformative decision rules: Foundations and applications," Ph.D. Diss., KTH Royal Institute of Technology, 2003.
 90. M. Peterson, "Transformative decision rules," *Erkenntnis*, vol. 58, no. 1, pp. 71-85, 2003.
 91. M. Peterson, "Risk, equality, and the priority view," *Risk Decision and Policy*, vol. 8, no. 1, pp. 17-23, 2003.
 92. M. Peterson, "From consequentialism to utilitarianism," *The Journal of Philosophy*, vol. 100, no. 8, pp. 403-415, 2003.
 93. M. Peterson, "What is a de minimis risk?," *Risk Management*, vol. 4, pp. 47-55, 2002.
 94. M. Peterson, "The limits of catastrophe aversion," *Risk Analysis*, vol. 22, no. 3, pp. 527-538, 2002.
 95. M. Peterson, "An argument for the principle of maximizing expected utility," *Theoria*, vol. 68, no. 2, pp. 112-128, 2002.
 96. S. O. Hansson and M. Peterson, "Rights, risks, and residual obligations," *Risk, Decision and Policy*, vol. 6, no. 3, pp. 157-166, 2001.
 97. M. Peterson, "Transformative decision rules and axiomatic arguments for the principle of

Maximizing Expected Utility," Lic. Thesis, KTH Royal Institute of Technology, 2001.

PUBLICATIONS IN OTHER LANGUAGES

41 publications in Swedish, 2 in Dutch, mostly Op-Eds and short journal articles.

CONFERENCES ON MY WORK

In November 2013 the Philosophy Department at the University of Konstanz hosted a two-day conference on my book *The Dimensions of Consequentialism*, with comments by ten invited speakers. Six of the papers, and my reply, later appeared (in 2016) in a special issue of *Ethical Theory and Moral Practice*.

In March 2024 the Philosophy Department at Zhenjiang University organized a symposium on my book *Ethics in the Gray Area* with comments by leading Chinese and international scholars followed by my response.

TALKS

62 talks (51 invited).

EXTERNAL GRANTS

1. *The Ethics of Diversity: Fortifying Ethical Infrastructure to Prevent and Address Sexual Harassment in STEM Research and Practice Settings*, National Science Foundation (NSF), 2018-2023, (co-PI), \$371,000.
2. *Incomparable Risks*, funded by the Swedish Rescue Services Agency 2005-2007, ca €340k.
3. *Ethical Aspects on Environmental Risks*, funded by the Swedish Environmental Protection Agency,
4. 2004-2005,
ca €55k.
5. *The Lottery Approach to Distributive Ethics*, funded by the Swedish Research Council 2005-2007, ca €150k
6. *Prioritizing in Emergency Planning*, funded by the Swedish Emergency Management Agency 2006-2008, funding for myself, ca €120k.
6. *Ethical Aspects of Hunting*, funded by the Swedish Environmental Protection Agency, 2008, post-doc funding for Dr Per Sandin, ca €40k.
7. *Partial Norms*, funded by the Swedish Research Council 2009-2011, post-docs for Dr Nicolas Espinoza and Dr Anna Bergqvist, 10% for me, ca €230k.

SERVICE AND OTHER PROFESSIONAL ACTIVITIES

1. Editor, *Elements in Decision Theory and Philosophy*. (This is a book series published by Cambridge University Press), 2019 – .
2. Expert witness (engineering ethics) in several lawsuits related to the Flint, MI Water Crisis.
3. Associate Head, Department of Philosophy, Texas A&M University, 2018 – 2019, 2023 – 2024.
4. Director of Graduate Studies, Department of Philosophy, Texas A&M University, 2020 – 2023.
5. Associate Director of Graduate Studies, Department of Philosophy, Texas A&M University, 2019–2020.
6. Chair, Colloquium and Public Events Committee, Department of Philosophy, Texas A&M University, 2018–2019.
7. Chair, Search Committee for five T/TT positions, 2023-2024.

8. Chair, Faculty Annual Evaluation Advisory Committee, Department of Philosophy, Texas A&M University, 2017–2018, 2023-2024.
9. Chair, Tenure on Arrival Committee, Department of Philosophy, Texas A&M University, 2017.
10. Program chair of the SPT 2019 conference (>300 speakers)
11. Organizer of the annual Bovay workshop on applied ethics 2015 –
12. Member, Endowed Positions Advisory Committee, College of Arts and Sciences, 2023–
13. Member, TAMU Strategic AI Initiative Planning Committee, 2024.
14. Tenure and Promotion Consultation, Missouri University of Science and Technology, 2023.
15. Tenure and Promotion Consultation, Loyola University New Orleans, 2016.
16. Tenure and Promotion Consultation, Delft University of Technology, 2016.
17. Chair, Head Search Committee, Department of Philosophy, Texas A&M University, Fall 2015.
18. Chair, Rules Committee, Department of Philosophy, Texas A&M University, 2014 – 2017.
19. Member of the Climate and Inclusion Committee, College of Liberal Arts, Texas A&M University, 2015 – 2017.
20. Director of Studies, St Edmund’s College, Cambridge University, 2006-2008.
21. Member of the board of the Dutch Research School of Philosophy’s section for “Ethics and Practical Philosophy”, 2013-2014.
22. Member of the Management Team of the 3TU Centre for Ethics and Technology 2009 – 2014.
23. Project manager for the Agora project for teaching ethics to engineering students, 2009 – 2014. See: <http://www.ethiekentechneek.nl/>

UNDERGRADUATE TEACHING

1. I have authored two textbooks published by Cambridge UP and Oxford UP.
2. >15,000 undergraduates have taken 482 *Ethics and Engineering* since I took up my position at Texas A&M. I have taught approximately 1/3 of them myself and developed many (but not all) parts of the curriculum.
3. I have also taught large sections (>250 students) of 111 *Contemporary Moral Issues* and 251 *Introduction to Philosophy*, as well as several graduate seminars. The course evaluations are generally positive.

PHD STUDENTS

1. Steve Dezort (chair), Texas A&M University, 2021.
2. Dong An (co-chair), Texas A&M University, 2021.
3. John Curran O’Day (chair), Texas A&M University, 2020.
4. Mostafa Mohajeri (chair), IPM Teheran, 2016.
5. Nicolas Espinoza (chair), Lulea University of Technology, 2008.
6. Johan E. Gustafsson (co-chair), KTH Royal Institute of Technology, 2011.
7. Niklas Möller (co-chair), KTH Royal Institute of Technology, 2009.
8. Kalle Grill, (co-chair), KTH Royal Institute of Technology, 2009.
9. Per Wikman-Swahn (co-chair), KTH Royal Institute of Technology, 2009.
10. Barbro Fröding, (co-chair), KTH Royal Institute of Technology, 2008.
11. Jessica Nihlen-Fahlqvist (co-chair), KTH Royal Institute of Technology, 2008.

12. Madeleine Hayenhjelm (co-chair), KTH Royal Institute of Technology, 2007.
13. Eva Hedfors (co-chair), KTH Royal Institute of Technology, 2007.