

**Dr. Peter A. Danielson**

W. Maurice Young Centre for Applied Ethics  
 School of Population & Public Health, Faculty of Medicine  
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**Personal Information**

Date and place of Birth: 13 May 1946, New York, New York  
 Citizenship: Canada, U.S.A.  
 Married; two daughters

**Current Position**

Professor Emeritus, Centre for Applied Ethics, UBC

**Previous Positions**

2001 – 2016 Mary & Maurice Young Professor of Applied Ethics, Centre for Applied Ethics, UBC  
 1995 – 2001 Professor, Department of Philosophy, University of British Columbia  
 1996 Research Associate, Technology & Economic Dynamics Group, International  
 Institute for Applied Systems Analysis, Laxenburg, Austria  
 1990 – 2001 Senior Research Fellow, Centre for Applied Ethics, University of British Columbia  
 1990 – 1995 Associate Professor, University of British Columbia  
 1984 – 1985 Software Consultant, New Media Division, SONY Corporation, Tokyo, Japan  
 1984 – 1985 Visiting Scholar, International Christian University, Tokyo, Japan  
 1982 – 1983 Visiting Associate Professor, University of Toronto  
 1976 – 1990 Associate Professor, York University  
 1977 – 1978 Visiting Scholar, University of California, Los Angeles  
 1974 – 1976 Assistant Professor, York University  
 1971 – 1974 Lecturer, York University  
 1969 – 1971 Instructor, University of Toronto

**Post-Secondary Education**

University of Toronto	Ph.D. Philosophy	1968 - 1975
Princeton University	Philosophy	1967 - 1968
University of Michigan	BA Philosophy	1963 - 1967

**Awards and Distinctions (see also Grant Support below)**

York University Faculty of Arts Released Time Fellowship	1990 (declined)
Canada Council Dissertation Fellowship	1969-1972
University of Toronto Open Fellowship	1968-1969
National Defense Education Act Graduate Fellowship	1967-1968
Phi Beta Kappa	1967

**Areas of Specialization:**

Evolutionary & Game Theoretic Computer-based Modeling, Public Participation software design, Applied Ethics (Technology & Environment), Ethical Theory

**Areas of Competence:**

Political Philosophy, Artificial Intelligence/Cognitive Science

**Teaching (2014-15) –**

Cognitive Systems 300: Understanding & Designing Cognitive Systems Term I & Term II

**Graduate Supervision**

- 2013-2014 Yang Li (Philosophy & Science) Ph. D. Visiting from Southeast University, Naging, China
- 2009 – 2010 James Benoit M.A. (Interdisciplinary Studies) “Ethics & Video Games”
- 2003 – 2009 Rana Ahmad, Ph.D (Philosophy) “A Normative Account of Risk”
- 2000 - 2001 Mark Pontin, M.A. (Philosophy) “The Ethics of Prenatal Testing”
- 1995 - 1999 Chris MacDonald, Ph.D (Philosophy) “The Moral Significance of Social Conventions”
- 1995 – 1996 Christie Sandford, MA (Philosophy) “Kymlicka and the Aboriginal Right”
- 1993 - 1994 Richard Abel, M.A (Philosophy) “Morality and Public Administration”

**Postdoctoral Fellows Supervised & Visiting:**

- 2011 - Dr. Allen Alvarez (visitor from NTNU, Trondheim, Norway)
- 2009 - 2010 Dr. Conor Douglas (co-supervised with Dr. Janice Atkinson-Grosjean)
- 2007 – 2009 Dr. Catherine Schuppli (Genome Canada/BC)
- 2006 – 2007 Dr. Alex Mesoudi (Genome Canada/BC)
- 2000 - 2002 Dr. Hendrik Blok (NSERC)
- 1998 - 1999 Dr. William Harms (SSHRC/Centre)
- 1994 - 1996 Dr. Colin Macleod (Killam)

**Graduate Committees/Examinations**

- Pooyan Fazli, Ph.D. (Computer Science, 2103) University Examiner
- Christopher Thomas Scott, Ph. D. (Interdisciplinary Studies, 2013) Examination Committee Chair
- Lauri Jang, Interdisciplinary Studies; Committee Member
- Anton Pitts, Resource Management & Environmental Studies Committee Member
- Shannon Hagerman, (Resource Management & Environmental Studies, 2009); Examination Committee Chair
- Kari Coleman, PhD (Philosophy, 2002) Committee Member
- Carol Morgan, M.A. (Interdisciplinary Studies; 2002 -3) Committee Member
- Michael Botnick PhD (Sociology, 2002); Examination Committee Chair
- Melanie Powers PhD (Resource Management & Environmental Studies, 2003), University Examiner
- Christian Reuten PhD (Earth & Atmospheric Science, 2006); Examination Committee Chair
- Michael Walsh PhD (Resource Management & Environmental Studies, 1995) Committee Member
- Alex Boston, PhD (Philosophy, PhD Committee, 2001) "Values, Meaning and Identity: the Case for Morality"
- Katherine Barrett, PhD. (Biology, 2000) “Canadian agricultural biotechnology : risk assessment and the precautionary principle” Committee member

**Service to University**

School of Population & Public Health Senior Appointments Committee 2012 -  
 Director, Centre for Applied Ethics 2002 – 2007; 2008 – 2012  
 College for Interdisciplinary Studies, Policy School Planning Group 2008  
 Faculty of Graduate Studies Research Planning Committee 2003  
 Faculty of Graduate Studies Academic Equipment Fund Committee 2003  
 Head, Combined Commerce/Centre for Applied Ethics Promotion Committee 2002-3, 2006-7  
 Head, Chair in Business Ethics Search Committee, Centre for Applied Ethics 2003 -5  
 Faculty of Graduate Studies Equity Committee 2004  
 Founder of Off-Centre for Micro-Computing, Calumet College, York University 1979 – 80  
 Led Faculty of Arts Computing Initiative, York University. 1979 - 80

**Service to Profession:**

Editorial Board: *Ethics and Information Technology* (Kluwer) (1998 - ); *Computers in Society* (Dushkin) (1999 – ); *Journal of Applied Ethics and Philosophy* (2009 - )

Referee: *Journal of Mixed Methods Research, Ethics & Information Technology, Ethical Theory and Moral Practice, Ethics, Minds & Machines, Philosophy of Science, American Philosophical Quarterly, Synthese, Computational and Mathematical Organization Theory, Canadian Journal of Philosophy, Philosophical Studies, Political Research Quarterly, Ecosystem Health, Journal of Social Philosophy, Integrated Assessment*, M.I.T. Press, Kluwer, University of Calgary Press, Social Sciences & Humanities Research Council, Canada Research Chairs College of Reviewers, Canadian Institutes of Health Research, National Science Foundation, European Science Foundation, University of Toronto, University of Victoria, University of Prince Edward Island.

Organizer, Research Colloquium on Ethics and Evolutionary Theory, Vancouver, April 1999,  
 Seventh Cognitive Science Conference, Vancouver, Feb. 1994.

Coordinator, Value Theory, Canadian Philosophical Association Conference, 1990 and 1991  
 Co-Moderator, PHILOSOP (Canadian Philosopher's Online Network) 1988 – 1995.

**Service to Community:**

Co-organizer of the international lecture series "Eugenic Politics: the Legacy of Nazi 'Eugenics'", with the Vancouver Holocaust Education Centre and the Science Studies Program, UBC, Vancouver, Feb – May 2002.

Presentation to the Eco-Philosopher's Café, Vancouver: "From plowshares to B.I.O. Bugs (& RoboPet): an Ethical Alternative to the Technology - Environment war" 18 Jan. 2002.

"The (Ethical) Significance of the Technology Revolution", Third Age Partners in Learning Program, UBC, 6 Sept 2000.

**Publications****Books:****Authored**

*Artificial Morality: Virtuous Robots for Virtual Games* (London: Routledge, 1992), xi + 240 pp.

**Edited**

*Modeling Rationality, Morality and Evolution* (Vancouver Cognitive Science Series, No. 7, Oxford University Press, 1998), x + 463 pp.

### Chapters

1. Danielson, P. (2015) Artificial Morality. In *Ethics, Science, Technology, and Engineering: A Global Resource.*, (Ed, Holbrook, J.B.) Macmillan Reference USA, Farmington Hills, MI, pp. 124-127.
2. Danielson, P. (2015) Turing Tests. In *Ethics, Science, Technology, and Engineering: A Global Resource.*, (Ed, Holbrook, J.B.) Macmillan Reference USA, Farmington Hills, MI, pp. 425-427.
3. Danielson, P. (2015) Robot Toys. In *Ethics, Science, Technology, and Engineering: A Global Resource.*, (Ed, Holbrook, J.B.) Macmillan Reference USA, Farmington Hills, MI, pp. 653-656.
4. Danielson, Peter A. (2013). N-Reasons: Computer Mediated Ethical Decision Support for Public Participation. In *Publics & Emerging Technologies: Cultures, Contexts, and Challenges*, eds. E. Einsiedel, and K. O'Doherty, 248 - 260. Vancouver: UBC Press. Danielson,
5. Peter (2011). Prototyping N-Reasons: A Computer Mediated Ethics Machine. In M. Anderson & E. Anderson (Eds.), *Machine Ethics* (p. 442 – 450). New York: Cambridge University Press.
6. Danielson, P. A., Longstaff, H., Ahmad, R., Van der Loos, H. F. M., Mitchell, I. M., Oishi, M. M. K. (2010). Case Study: An Assistive Technology Ethics Survey. In M. M. K. Oishi, I. M. Mitchell, & H. F. M. Van der Loos (Eds.), *Design and Use of Assistive Technology: Social, Technical, Ethical, and Economic Challenges* (pp. 75 - 93). New York: Springer.
7. Danielson, P. (2010). A collaborative platform for experiments in ethics and technology. In I. van der Poel & D. E. Goldberg (Eds.), *Philosophy and Engineering: an Emerging Agenda* (pp. 239-252). Springer.
8. Danielson, P. Metaphors and Models for Data Mining Ethics. In E. Eyob (Ed.), *Social Implications of Data Mining and Information Privacy: Interdisciplinary Frameworks and Solutions* (pp. 33 - 47). Hershey, PA: IGI Global, 2008.
9. Danielson, Peter. "Ethics of Workplace Surveillance Games." *Intelligent Information Technologies: Concepts, Methodologies, Tools, and Applications*. In Ed. V. Sugumaran. Hershey, PA; New York: Information Science Reference, 2008. 1936 - 1947 . (Reprint of 8)
10. Danielson, Peter. "Digital Morality and Ethics." *Information Security and Ethics: Concepts, Methodologies, Tools, and Applications*. Ed. Hamid Nemati. Hershey, PA: Information Science Reference, 2007. 457 - 463. (reprint of 6)
11. Danielson, Peter. "Monitoring Technology and Digital Governance." *Information Security and Ethics: Concepts, Methodologies, Tools, and Applications*. Ed. Hamid Nemati. Hershey, PA: Information Science Reference, 2007. 1504 - 1513. (reprint of 7)
12. Danielson, Peter. "Simple Games and Complex Ethics." In *Liberty, Games and Contracts*, edited by Malcolm Murray, 103 - 114. Aldershot Hants, U.K.: Ashgate Press, 2007.
13. Danielson, Peter, Rana Ahmad, Zosia Bornik, Hadi Dowlatabadi, and Edwin Levy. "Deep, Cheap, and Improvable: Dynamic Democratic Norms & the Ethics of Biotechnology." In F. Adams, (ed) *Ethics and the Life Sciences*, (Charlottesville, Va.: PDC Press, 2007).
14. Danielson, P. Digital Morality and Ethics. *Encyclopedia of Digital Government*. A.-V. Anttiroiko and M. Malkia, Idea Hershey, PA Idea Publishing, 2007.
15. Danielson, P. Monitoring Technology. *Encyclopedia of Digital Government*. A.-V. Anttiroiko and M. Malkia, Hershey, PA Idea Publishing, 2007.

16. Danielson, Peter. "Ethics of Workplace Surveillance Games". In J. Weckert (Ed.), *Electronic Monitoring in the Workplace: Controversies and Solutions*. Hershey PA: Idea Group Publishing, 2005, pp. 19 – 34
17. Danielson, Peter. "Artificial Morality", *The Encyclopedia of Science, Technology and Ethics*, edited by C. Mitchem. Farmington Hills, MI: Macmillan (2005).
18. Danielson, Peter. "Robot Toys", *The Encyclopedia of Science, Technology and Ethics*, edited by C. Mitchem. Farmington Hills, MI: Macmillan (2005).
19. Danielson, Peter. "Turing Tests", *The Encyclopedia of Science, Technology and Ethics*, edited by C. Mitchem. Farmington Hills, MI: Macmillan (2005).
20. Danielson, Peter and Sam McQuade, "Monitoring and Surveillance", *The Encyclopedia of Science, Technology and Ethics*, edited by C. Mitchem. Farmington Hills, MI: Macmillan (2005). □
21. Danielson, Peter. "Rationality and Evolution" , in *Oxford Handbook on Rationality*, edited by Alfred Mele and Piers Rawlings (New York, Oxford University Press, 2004) pp. 417 – 437.
22. Danielson, Peter. "Which Games Should Constrained Maximizers Play?" In *Practical Rationality and Preference: Essays for David Gauthier*, edited by C. Morris and A. Ripstein. (New York: Cambridge University Press, 2001) 173 – 188
23. Danielson, Peter. "Come I calcolatori estendono la morale artificiale", in *La fencie digitale*. (Milan: APOGEO, 2000) [Italian translation of next item]
24. Danielson, Peter. "How Computers Extend Artificial Morality" in *The Digital Phoenix: How Computers are Changing Philosophy*, edited by T. W. Bynum and J Moor , (Cambridge: Blackwell, 1998): 292 – 307.
25. Danielson, Peter. "Introduction" , in Peter Danielson, ed, *Modeling Rationality, Morality and Evolution* (Vancouver Cognitive Science Series, No. 7, Oxford University Press, 1998): 3 – 9.
26. Danielson, Peter. "Evolutionary Models of Cooperative Mechanisms: Artificial Morality and Genetic Programming" in Peter Danielson, ed, *Modeling Rationality, Morality, and Evolution* (Vancouver Cognitive Science Series, No. 7, Oxford University Press, 1998): 423 – 441.
27. Danielson, Peter. "The Rights of Chickens: A Rational Foundation for Libertarianism?" in *For and Against the State: New Philosophical Readings*, edited by J. Sanders and J. Narveson. (Lanham, Maryland: Rowman & Littlefield, 1996): 171 – 193.
28. Danielson, Peter. "Pseudonyms, MailBots, and Virtual Letterheads: The Evolution of Computer Mediated Ethics", in *Philosophical Perspectives on Computer Mediated Communication*, edited by Charles Ess. (Albany: State University of New York Press, 1996): 67 – 93.
29. Danielson, Peter. "Personal Responsibility", T. Hurka and H. Coward, eds., *The Ethics of Atmospheric Change* , (Waterloo, Ont: Wilfrid Laurier Press, 1993): 81 – 98.
30. Danielson, Peter. "Rationality, Morality, and Politics: The Greenhouse Dilemma", J. Coombs and E. Winkler, eds., *Applied Ethics : A Reader* (London: Basil Blackwell, 1993): 329 – 340.
31. Danielson, Peter. "The Lockean Proviso", *Contractarianism and Rational Choice: Essays on Gauthier*, edited by P. Vallentyne. (New York: Cambridge University Press, 1991): 99 – 111.
32. Danielson, Peter. "Closing the Compliance Dilemma", *Contractarianism and Rational Choice: Essays on Gauthier* ed. P. Vallentyne. (New York: Cambridge University Press, 1991): 291 – 322.

### **Journal Articles**

1. Danielson, P. (2015) Surprising judgments about robot drivers: Experiments on rising expectations and blaming humans. *Etikki i praksis. Nordic Journal of Applied Ethics*, 9, 73 - 86.
2. Alvarez, A., Mendoza, L. & Danielson, P. (2015) Mixed Views About Radical Life Extension. *Etikki i praksis. Nordic Journal of Applied Ethics*, 87-110.
3. Moon, A. J., Danielson, P. A., & Van der Loos, H. F. M. (2012). Survey-based Discussions on Morally Contentious Applications of Interactive Robotics. *International Journal of Social Robotics*. 1 – 20.
4. Fenwick, N., Danielson, P., & Griffen, G. (2011). Survey of Canadian animal-based researchers' views on the Three Rs: replacement, reduction and refinement. *PLoS One*, 6(8), e22478.
5. Danielson, P. (2010). "Engaging the Public in the Ethics of Robots for War and Peace." *Philosophy & Technology* 24 (2011): 239-49.
6. Danielson, P. A. (2010). Designing a Machine for Learning about the Ethics of Robotics: the N-Reasons Platform. *Ethics and Information Technology*, Special Issue on Robot Ethics and Human Ethics, 12, 251 - 261.
7. Ahmad, R., Bailey, J., & Danielson, P. (2010). Analysis of an innovative survey platform: comparison of the public's responses to human health and salmon genomics surveys. *Public Understanding of Science*, 19(2), 155-165. Role 25%
8. Mesoudi, A. & Danielson, P. A. (2008). Ethics, Evolution and Culture. *Theory in Biosciences*, 127(3), 229 - 240.
9. Danielson, P., Mesoudi, A., & Stanev, R. (2008). NERD and Norms: Framework and Experiments. *Philosophy of Science*, 75(5), 830-842. Role 60%
10. Danielson, P. "The Place of Ethics in a Unified Behavioral Science." *Behavioral and Brain Sciences* 30, no. 1 (2007)
11. Ahmad, Rana, Bailey, Jennifer, Bornik, Zosia, Danielson, Peter, Dowlatabadi, Hadi, Levy, Edwin, Longstaf, Holly, Dowlatabadi, Hadi, Levy, Edwin, and Longstaf, Holly. "A Web-Based Instrument to Model Social Norms: Nerd Design and Results." *Integrated Assessment* 6, no. 2 (2006): 9 - 36.
12. Jon Nakane, Brown, Keddie, Danielson, Peter, Joanne Fox, Yas Shirazu, Donna Lee, Esther Abd-Elmessih, and Ng, David. "Home Molecular Genetics: Extract, Fingerprint, and Replicate Your Own DNA." *Make Magazine* 07 (2006): 65.
13. "Playing with Ethics: Games, Norms, and Moral Freedom." *Topoi* 24 (2005): 1 – 7.
14. "Competition among Cooperators: Altruism and Reciprocity", *Proceedings of the National Academy of Sciences* 99:7237 – 7242 (May 14 2002).
15. "Learning to cooperate: reciprocity and self-control." *Behavioral and Brain Sciences* 25(2) (2002): 256 - 257.
16. "Evolution and the Social Contract", *Canadian Journal of Philosophy* , 28, No. 4 (1998): 627 – 652.
17. Peter Danielson and Chris. MacDonald, "Singer's Agenda for Practical Ethics", *Dialogue* , XXXV (1996): 599 – 610.
18. "Prisoner's Dilemma Popularized: Game Theory and Ethical Progress". *Dialogue*, XXXIV (1995): 295 – 304.
19. "Prolog & the Prisoner's Dilemma", *Computers & Philosophy* (1991): 65 – 77.
20. "The Visible Hand of Morality", *Canadian Journal of Philosophy*, 18 (1988): 357 – 384.
21. "The Moral and Ethical Significance of Tit-for-Tat", *Dialogue*, XXV, (1986): pp. 449 – 470.
22. "Taking Anarchy Seriously", *Philosophy of the Social Sciences* ,8 (1978): 137 – 152.
23. "Theories, Intuitions, and the Problem of World-wide Distributive Justice", *Philosophy of the Social Sciences*, 3 (1973): 331 – 340.

### Conference Proceedings

**Conference Proceedings**

- Danielson, P. (2007) "A Platform for Experiments in the Ethics of Science and Technology". *Proceedings of the Second International Conference on Applied Ethics*, K. Ishihara and S. Majima, (Ed.). Centre for Applied Ethics, Hokkaido University, Sapporo, Japan. 30 - 56.
- Danielson, P. (2007). "A collaborative platform for experiments in ethics and technology". In D. Goldberg and I. v. d. Poel (Eds.), *Abstracts of the Workshop on Philosophy and Engineering 2007*, 91-92
- From Artificial Morality to NERD: Models, Experiments, & Robust Reflective Equilibrium. *Artificial Life 10: Achievements and Future Challenges for Artificial Life Workshop Proceedings*, 45 - 48 (2006).
- "Video Surveillance for the rest of us: Proliferation, Privacy, and Ethics Education", *Proceedings IEEE 2002 International Symposium on Technology and Society: Social Implications of Information and Communication Technology*, edited by J. Herkert, (2002) pp.162 - 167.
- "Evolving Artificial Moralities: Genetic Strategies, Spontaneous Orders, & Moral Catastrophe", in Alain Albert ed., *Chaos and Society* (Amsterdam: IOS Press 1995), pp. 329 – 344.

**Reviews**

- "Robots for the Rest of Us or for the 'Best' of Us", *Ethics and Information Technology*, I (1999): 77 – 83.

**Book reviews**

1. Can robots have a conscience? Review of Wendell Wallach and Colin Allen, *Moral Machines: Teaching Robots Right from Wrong*. *Nature*, 457:29 (2009) 540.
2. "Review of Wallach, W. & Allen, C. *Moral Machines: Teaching Robots Right from Wrong*". *Notre Dame Philosophical Reviews* 2009.03.01 (2009) <http://ndpr.nd.edu/review.cfm?id=15447>
3. "Review of Jan Narveson, *Respecting Persons in Theory and Practice: Essays on Moral and Political Philosophy*", *Ethics* 113:4 (2002): 902 - 095
4. "Review of Daniel M. Hausman and Michael S. McPherson, *Economic Analysis and Moral Philosophy*", *Ethics* 109:1(Oct 1998): 198 – 200.
5. "Review of C. Bicchieri, R. Jeffrey, and B. Skyrms, ed. *The Dynamics of Norms*", *Ethics* 108 (July 1998): 826 – 828.
6. "Review of John D. Mullen and Byron M. Roth, *Decision-Making: Its Logic and Practice*", *Canadian Philosophical Reviews*, XII (1992): 141 – 143.
7. "Review of M. David Ermann, Mary Williams and Claudio Gutierrez, eds *Computers, Ethics and Society*", *Canadian Philosophical Reviews*, XII (1992): 17—19.
8. "Review of David Schmidtz, *The Limits of Government: An Essay on the Public Goods Problem*", *Canadian Philosophical Reviews*, XI (1991): 355 – 357.
9. "Review of Michael Slote, *Beyond Optimizing*", *Canadian Philosophical Reviews*, XI (1991): 293 – 294.
10. "Review of J. Elster, *Nuts & Bolts for the Social Sciences*", *Dialogue* XXIX (1990): 597 – 602.
11. "Review of A. deJasay, *Social Contract, Free Ride*", *Canadian Journal of Political Science* 23(1990): 191 – 192.

12. "Review of A. K. Sen, *On Ethics and Economics*", *Canadian Philosophical Reviews*, VIII (1988): 152 – 154.
13. "Review of David Miller, *Anarchism*", *Canadian Philosophical Reviews*, V (1985): 207 – 210.
14. "Review of T. Machan and B. Johnson, *Rights and Regulation*", *Dialogue* XXIV, (1985): 361 – 364.
15. "Review of Peter Singer, *The Expanding Circle: Ethics and Sociobiology*" *Reason Papers*, No. 9, (Winter 1983): 95 – 103.
16. "Review of H. A. Bursden, *Dismantling the Memory Machine*", *Philosophy of the Social Sciences*, 12 (1982): 104 – 105.
17. "Review of Margaret Boden, *Artificial Intelligence and Natural Man*", *Philosophy of the Social Sciences*, 12 (1982): 106 – 106.
18. "Review of John Finnis, *Natural Law and Natural Rights*", *University of Toronto Law Journal*, XXX (1980): 441 – 447.
19. "Review of Barrie Paskins and Michael Dockrill, *The Ethics of War*", *Environmental Ethics*, II (1980): 285 – 288.

### Other

1. "[PharmaNet:]Ethical Concerns", *BCPharmacy*, 4, No. 2, (June 1995), p. 32.
2. "Making a Moral Corporation: Artificial Morality Applied", *Financial Accounting* 5, Third Edition, Certified General Accountants' Association, Vancouver, B.C. 1995, 2005.
3. Peter Danielson and Michael McDonald, "Claimant Ethics", *Recovery*, 2 (Nov 1991): 355 – 356.

### Work Submitted

### Work in Progress

### Grant Support

Granting Agency	Subject	Competition C or NC	Total \$ /	Dates	Principal Investigator	Co-Investigator
Dean's Development Fund (UBC Arts)	Auto Canon: Autonomous Interdisciplinary Course Text Generator	C	\$15,600	2013-14	Danielson	Eric Vatikiotis Bateson
Teaching & Learning Enhancement Fund (UBC)	Computer Enhanced Experimental Applied Ethics Education (CEE-Ethics)	C	\$45,000	2013-14	Danielson	



SSHRC	Artificial Ethical Agents: experimental platform for computer augmented personal information, commitment and representation	C	\$182,050	2013-16	Danielson	
Teaching & Learning Enhancement Fund (UBC)	Computer Enhanced Experimental Applied Ethics Education (CEE-Ethics)	C	\$45,000	2012-13	Danielson	
Teaching & Learning Enhancement Fund (UBC)	Computer Enhanced Experimental Applied Ethics Education (CEE-Ethics)	C	\$50,000	2011-12	Danielson	
SSHRC	Artificial Morality II: Better Moral Mechanisms Through/Despite Technology for War, Traffic, and the Net	C	\$178,590	2011-14	Danielson	
Stem Cell Network	NERD survey/experiments	C	\$4,000	2010	McDonald	
SSHRC	N-Reasons: A Democratic Platform for Empirical Ethics, Policy, & Education	C	\$83K/year	2010-13	Danielson	C.MacDonald Walton, E. Ormandy, D. Secko
SSHRC	GEECK: Game-based Experimental Ethics Construction Kit	C	\$48K/year	2008-2011	Danielson	
SSHRC	NERD 2.0: Exper. Platform for Democratic Ethics	C	\$38K/year	2007-2010	Danielson	Mesoudi
Genome Canada/Genome BC	Building a GE <sup>3</sup> LS Architecture	C	\$2M/\$500K	2006-2010	Burgess & Danielson	Weary & Lev
Genome Canada	Comparative Genomics of the Atlantic Salmon Project	C	\$15.M GE <sup>3</sup> LS: \$345K \$80K yr	2006-2010	W.Davidson B. Koop S. Omholt	M Burgess & Danielson, et

Genome Canada	Pathogenomics of Innate Immunity	C	\$11.5M GE <sup>3</sup> LS budget: \$500K \$125K yr	2006-2010	B. Hancock N Babiuk B Finlay	Atkinson-Grosjean, M. Burgess, et al
SSHRC	Modeling Ethical Mechanisms	C	\$19K yr	2003-2006	Danielson	
Genome Canada	Democracy, Ethics, and Genomics	C	\$400,000 yr		M Burgess	Brunk, C., Co S., Danielson Koop, B., McDonald, M Norman, W.
Genome Canada	CardioSHARE: Cardiovascular Health and Research Environment	C	\$17.5M GE <sup>3</sup> LS \$800K \$200K yr		M. Wilkinson B. McManus	M. Burgess, I Danielson, et al
Genome Canada	Pharmacogenetics Registry for Individualized Medicine (PRIME)	C	\$10M GE <sup>3</sup> LS: \$393K \$98K yr		R Reid, F. Ouellette	M. Burgess, I Danielson, et al
Genome Canada	A comprehensive large-scale full genome mapping of HLA driven evolution of autologous HIV-1 viruses	C	\$17M 5GE <sup>3</sup> LS budget \$626K \$156K yr		F. Plummer M. Luo M. Marra	M. Burgess, I Danielson, A Daar, P Sing et al
Genome Canada	Genomics of invasive plants	C	\$11.6M GE <sup>3</sup> LS \$346K \$86.5K yr		L Rieseberg K Adams	J Whitton, M. Burgess, P. Danielson, et al
Genome Canada	Characterizing Treatment-Induced Changes in Gene Expression in Prostate Cancer	C	\$9M GE <sup>3</sup> LS budget \$346K \$86.5K yr		M Gleave C. Nelson	M. Burgess, I Danielson, J Davidson
Genome Canada	Genomics of Human Cancer Stem Cells	C	Undisclosed GE <sup>3</sup> LS \$346K \$86.5K yr		C Eaves	M. Bobinski, Burgess, P. Danielson, et al
Genome Canada	Neuroproteomics of degenerative diseases of the CNS	C	Undisclosed GE <sup>3</sup> LS \$346K \$86.5K yr		Pelech & Cynader	M. Burgess, I Danielson, et al

Genome Canada	Biomarkers of Glomerulonephritis	C	\$11M GE <sup>3</sup> LS \$346K \$86.5K yr		P Keown B McManus	M. Burgess, I Danielson, et
SSHRC	Evolving Artificial Moral Ecologies	C	19,663 yr	1996– 2000	Danielson	
Liberty Fund	Evolution & Ethics	C	40,000 yr	1998- 1999	Danielson	
SSHRC	Computer Ethics through Thick and Thin	C	3,533 yr	1991- 1996	Danielson	
SSHRC	Canadian Applied Ethics Network	C	39,848 yr	1994- 1997	M. McDonald	P. Danielson
SSHRC	Canadian Business & Professional Ethics Network	C	30,000 yr	1991- 1994	M. McDonald	P. Danielson
SSHRC	Canadian Applied Ethics Workshop	C	15,000 yr	1991- 1992	M. McDonald	P. Danielson
SSHRC/ Shell Oil	Ethics and Climate Change: Global Warming	C	64,667 yr	1990- 1993	T. Hurka	P. Danielson
UBC/SSHR C	Artificial Morality	C	2,000	1990	Danielson	
Fac. of Arts, York Univ.	Artificial Morality Software & Book	C		1990	Danielson	

**Other Funding**

NHMRC/A RC (Australia)	Tas Biobank: public consultation investigating Tasmanians' attitudes to biobanking		\$3,000	2013	Danielson	
Canadian Council on Animal Care	N-Reasons Survey on Animal Experimentation		\$5,000	2010	Danielson	

**Invited Presentations**

1. Danielson, P.A. “Autonomous Vehicles: Two Surprises for Ethics”, Southeast University, Nanjing, Oct 19 2016
2. Danielson, P.A. “Using Technology to Discover Surprising & Changing Values”, Grand Challenges Conference, NTNU, Trondheim, May 21, 2015
3. Danielson, P.A. “Exploring Choices through Experiments in Stakeholder Engagement”, GameFish Workshop, NTNU, Trondheim, May 26, 2015
4. Danielson, P.A., “How Robot Drivers Disturb Our Moral Ecology”, APA Pacific Division, Vancouver, April, 2015.
5. Danielson, P.A., “Surprising Judgments about Robot Drivers: Experiments on Rising Expectations and Blaming Humans”, Elec. & Computing Engineering Colloquium, UBC, Sept 22, 2014.
6. Danielson, P.A., “Surprising Judgments about Robot Drivers: Experiments on Rising Expectations and Blaming Humans”, Normative Dimensions of New Technologies, NTNU, Trondheim, Norway. June 6, 2014
7. Danielson, P.A. “Ethics Outside the Box”, Empirical Tools for an Ethics of Artificial Agents”, COMPARCH 2012, Vancouver, June, 2013.
8. Danielson, P.A. “New Tools to Learn about the Ethics of New Technologies”, Man, Meat & Method Workshop, Bergen, Norway, June, 2013.
9. Danielson, Peter. “Experimental Platform for Improving Virtual and Face to Face Ethical Decision Making.” Paper to be presented at the AAAS, Vancouver, 2012.
10. Danielson, P. A. (2010). *Analysing Dynamic N-Reasons Data*. Paper presented at the NERD 2nd Annual Research Workshop, Vancouver.
11. *NERD-Reasons: Computer Mediated Ethical Decision Support for Public Participation*. Paper presented at the Theorizing Public Participation Conference, Banff, Canada, Oct, 2009.
12. Danielson, P. A. (2009). *Survey on Ethics & Assistive Technologies: N-Reasons Design & Preliminary Results*. Paper presented at the Peter Wall Institute for Advanced Study Workshop on Assistive Technology, Vancouver.
13. Danielson, P. A. (2009). *Surveys to Reasons: Experiments in Constrained Ethical Decision Making*. Paper presented at the NERD 1st Annual Research Workshop, Vancouver.
14. R “A Platform for Experiments in the Ethics of Science and Technology” Keynote at Second International Conference on Applied Ethics, Sopor, Japan. Nov 2007.
15. “Stress Testing Moral Norms & Ethical Decision Making”. Social Dynamics Seminar, Univ. of California, Irvine, Irvine, CA, Nov 2007.
16. R “A Platform for Collaborative Experiments in the Ethics of Science and Technology” 2007 Workshop on Philosophy and Engineering, Delft University of Technology, The Netherlands 29-31 Oct, 2007.
17. K.L. Ilves, D.M. Secko, P. Danielson, M. Burgess, The role of public consultation in salmon genomics research: exploration using an experimental web-based survey platform, Genome BC Forum, Vancouver, April.2007.
18. “Ethics Experiments”. GE3LS in Competition III, Genome BC, Vancouver. 15 Nov 2006.

19. R Danielson, Peter, Alex Mesoudi, and Roger Stanev. "Nerd & Norms: Framework and Experiments." Philosophy of Science Association, Vancouver, 3 Nov 2006.
20. R "From Artificial Morality to NERD & Augmented Social Intelligence", Artificial Life X, Bloomington Ind, 3 June 2006
21. R "Norms of reciprocity & moral emotions: designing a web-based experiment on ethics and emerging infectious disease strategies." Presented at The Emotions as Norm Enforcers: The interface between evolution, ethics and behavioral game theory. Fifth Annual conference on Philosophy & Biology, at Durham, NC, May 2006.
22. R Ahmad, Rana, Jennifer Wilkin, and Peter Danielson. 2006. A Comparative Framework for Understanding Public Acceptance of Genomic Applications in Human Health compared to Salmon Farming. Paper read at third international conference Genomics and Society, at Amsterdam.
23. "GE3LS and NERD", Genome Canada Science & Industry Advisory Council, Vancouver, Oct, 2005.
24. "Modeling Dynamic Moral Norms: An Empirical Approach", Workshop on Dynamics of Social Structures, Santa Fe Institute, Santa Fe, New Mexico, April 2005.
25. "NERD: Design and Results", Democracy, Ethics and Genomics Workshop, Vancouver, March, 2005.
26. "Norms Evolving in Response to Dilemmas (NERD)", Genomc BC Quarterly Symposium, Vancouver, Feb 2005.
27. "Modeling Complex Ethical Agents", Presented at the conference on Computational Modeling in the Social Sciences, University of Washington, Seattle, May 2003;  
<http://www.csde.washington.edu/~handcock/simu/ModelingComplexEthicalAgents-V5.pdf>
28. "Sim Ge3LS" at Democracy, Ethics, & Genomics Workshop, Dunsmuir, Jan. 2003.
29. "Fair vs. Fair: Modeling Some Costs of Ethics", Economics & Philosophy Colloquim, Simon Fraser Univ. Sept. 2002.
30. "Artificial Morality II: Making and Breaking Moral Mechanisms" at Computers and Philosophy, Oregon State Univ., Corvallis, Oregon, Jan. 2002.
31. R "Ethics for Robots: Open-ended ethics & technology" presented at the 27th Annual Conference of the Society of Moral Education, Vancouver, B.C. Oct 2001.
32. "Competition among Cooperators: Altruism and Reciprocity", the National Academy of Sciences Sackler colloquium on Adaptive Agents, Intelligence and Emergent Human Organizations: Capturing Complexity Through Agent-Based Modeling, Irvine, CA, 5 Oct 2001.
33. "Machines for Evolving Machines with Simple Social Minds", The Society for Machines & Mentality, Eastern Div APA, New York, December 27 - 30, 2000
34. "Mind my Is/Ought Gap", the Interdisciplinary Conference on Idealized versus Real Human Agents - Closing the Gap, University of Lethbridge, March, 2000
35. "Two Models of Irrationality", Complexity Group, Wall Institute for Advanced Studies, U.B.C. 22 April 1999.
36. R "How to Evolve Rationality & Something Better", 27th Conference on Value Inquiry, Central Missouri State University, April 22 - 24, 1999.
37. "Evolution of Irrational Preferences" Conference on Philosophical Perspectives on Irrationality, University of Montreal, Oct, 1997.
38. "How to Evolve Something Better than Rationality or Ethics", Conference on Evolutionary Perspectives in the Humanities and Social Sciences, UBC, Oct, 1997.

39. "Computer Ethics: Sandbox Networks & Greedy Programs", Conference on Ethics in Education, Faculty of Education, UBC
40. "Vienna Should Not Become Chicago: the Ethical Aftermath of Incentive Compatible Devices", International Institute of Applied Systems Analysis, Vienna. September, 1996.
41. **R** "From Rational to Robust: Evolutionary Tests for Cooperative Agents", AAAI Fall Symposium on Rational Agency: Concepts, Theories, Models, and Applications. M.I.T, November, 1995.
42. "Ethics in Our Backyard: The Social Logic of NIMBY", Dermot Murphy Lecture Series on Applied Ethics, The Real Estate Foundation of B.C & Simon Fraser University, 25 Oct. 1995.
43. **R** "Play with Fire: the Ethical Aftermath of Incentive Compatible Devices", Computers & Philosophy Conference, Carnegie Mellon University, August 1995.
44. "Artificial Morality and Genetic Algorithms", Philosophy Colloquium, University of Alberta, Edmonton, Dec 1994.
45. "Technology, Privacy & Freedom of Information: An Ethical Framework", Nursing Research Day, B.C. Children's Hospital, Vancouver, 28 Oct 1994.
46. "Traffic Jams & Conventions: Ethics & Information Technology", American Society for Information Science, Western Canada Chapter 26th Annual Conference, Vancouver, 15 Oct 1994.
47. "Growing Better Green Beards: Evolutionary Artificial Morality", Canadian Philosophical Association, Calgary, 1994.
48. "Artificial Morality & Genetic Programming", Dept. of Computer Science, York University, June, 1994.
49. **R** "Co-Evolving Artificial Moralities", Chaos and Society Conference, Université à Hull, June, 1994.
50. "Ethics, Information Technology, and Community", Annual Conference, Community Foundations of Canada, 21 May 1994.
51. "Ethics & Information Technology: Theories, Perils, & Promise", Lab Rounds, Children's Hospital, Vancouver, 20 April, 1994.
52. "Evolving Players & Problems for Prisoner's Dilemmas: Artificial Morality & Genetic Programming", Washington University, St. Louis, 7 April 1994.
53. "Clans, Tolerance, Catastrophe and Hierarchy: The Evolution of Matching in the Prisoners Dilemma", Seventh Cognitive Science Conference, Vancouver, Feb. 1994.
54. "Making Pseudonymity Acceptable: The Evolution of Computer Mediated Ethics", the American Association for the Advancement of Science-American Bar Association National Conference of Lawyers and Scientists Invitational Workshop on Legal, Ethical and Technological Aspects of Computer and Network Use and Abuse, Irvine California, December 17-19 1993.
55. "Artificial Morality & Genetic Programming", Tri-University Colloquium, Vancouver, November 1992.
56. "Ethics & Computer Mediated Communication", presentation to The Task Force on Appropriate Use of Information Technology, UBC, Oct, 1992.
57. "Is Neo-Pragmatism Good for the Land Ethic?", American Philosophical Association, Pacific Division, Portland, March 1992.
58. "Who Should Own Our Forests?", symposium on Ethical Challenges for Foresters, Faculty of Forestry, U.B.C.
59. "Computer Ethics through Thick & Thin", National Conference on Computing and Values, New Haven, Connecticut, August 1991.

60. "The Atmospheric Trust", Workshop paper, Ethics and Climate Change: Global Warming, Kananaskis, Alberta, August, 1991.
61. R "Is Game Theory Good for Ethics", American Philosophical Association, Pacific Division, San Francisco, 1991.
62. R "Prolog & the Prisoner's Dilemma", 4th Annual Conference on Computers & Philosophy, Stanford University, 1990.
63. "Rights, Sanctions and Chickens", Canadian Philosophical Association, Victoria, 1990.
64. R "The Greenhouse Dilemma", Moral Philosophy in the Public Domain, Vancouver, 1990.
65. "The Rights of Chickens: A Rational Foundation for Libertarianism?", American Assoc. for the Philosophic Study of Society, Atlanta, December 1989.
66. "Artificial Morality: New Problems for Old", Ontario Philosophical Society, Hamilton, October 1989.
67. "Closing the Constraint Dilemma", Conference on Contemporary Contractarian Thought, University of Western Ontario, April 1987.
68. "Moralities by Disagreement", Canadian Philosophical Association, Winnipeg, 1986.
69. "Schell and Hobbes on the Nuclear Predicament", Conference on Deterrence, Disarmament and Nuclear War, York University, Nov. 1983.
70. "Natural Rights and Natural Duties", Human Rights Conference, University of Waterloo, April, 1980.
71. "Nature and Selection", Conference on Reason and Ethics, Vancouver, February 1980.
72. R "Natural Rights are Property Rights", Canadian Philosophical Assoc., Fredericton, May 1977.

#### **Service to Profession:**

Editorial Board: *Ethics and Information Technology* (Kluwer); *Computers in Society* (Dushkin), *Journal of Applied Ethics and Philosophy* (Hokkaido University)

Referee: *Ethics, Synthese, Computational and Mathematical Organization Theory, Canadian Journal of Philosophy, Political Research Quarterly, Ecosystem Health, Journal of Social Philosophy, Nordic Journal of Applied Ethics*, M.I.T. Press, Cambridge Univ. Press, Oxford Univ. Press, Broadview Press, Social Sciences & Humanities Research Council, Canada Research Chairs College of Reviewers, Canadian Institutes of Health Research

Organizer, Research Colloquium on Ethics and Evolutionary Theory, Vancouver, April 1999, Seventh Cognitive Science Conference, Vancouver, Feb. 1994.

Coordinator, Value Theory, Canadian Philosophical Association Conference, 1990 and 1991  
Co-Moderator, PHILOSOP (Canadian Philosopher's Network) 1988 – 1995.

#### **Service to Community:**

Co-organizer of a series of four lectures, entitled "Eugenic Politics: the Legacy of Nazi 'Eugenics'", with the Vancouver Holocaust Education Centre and the Science Studies Program, UBC, Vancouver, Feb – May 2002.

Presentation to the Eco-Philosopher's Café, Vancouver: "From plowshares to B.I.O. Bugs (& RoboPet): an Ethical Alternative to the Technology - Environment war" 18 Jan. 2002.

Terry BarTalk on the Ethics of Artificial Intelligence, 31 Jan., 2013

Last Updated: 4 Dec 2016

A handwritten signature in black ink that reads "Peter Danielson". The signature is written in a cursive style with a large initial 'P' and a long, sweeping underline.