

Tom Buller

Tom Buller is professor of philosophy in the Department of Philosophy at Illinois State University. His main research and teaching interests are in neuroethics and the philosophy of mind, with a particular interest in agency and brain-computer interfaces. His recent publications include “Actions, Agents and Interfaces” in Friedrich O et al., *Clinical Neurotechnology Meets Artificial Intelligence* (Springer) “Brain-Computer Interfaces and the Translation of Thought into Action in *Neuroethics*, and “Diversity and Inclusion in Neuroethics” on the *Neuroethics Blog*.

He has previously served as Philosophy Department chair at Illinois State University and at the University of Alaska Anchorage. In 2018 he was a visiting scholar at the Center for Neuroscience and Society at the University of Pennsylvania and at the Uehiro Center for Practical Ethics at the University of Oxford.

Tom Buller, Ph.D.
Curriculum Vitae

Department of Philosophy
Illinois State University
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Normal, IL 61790-4540

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ACADEMIC APPOINTMENTS

Professor	Illinois State University (2012-)
Department Chair	Illinois State University (2012-2017)
Visiting Professor	Governors State University (2011-12)
Professor	University of Alaska Anchorage (2011-12)
Department Chair	University of Alaska Anchorage (2004-2009)
Associate Professor	University of Alaska Anchorage (2003-2011)
Assistant Professor	University of Alaska Anchorage (1997-2003)
Affiliate Associate Professor	University of Washington, School of Medicine (2003-2011)
Visiting Assistant Professor	University of Toledo, Ohio (1994-97)
Visiting Assistant Professor	Auburn University, Alabama (1994)

EDUCATION

Ph.D. Philosophy	University of Tennessee (1994)
Postgraduate Diploma in Medical Ethics/Law	King's College, London U.K. (1986)
M.A. Philosophy	University of Waterloo, Canada (1984)
B.A. Philosophy	University of York, U.K. (1981)

RESEARCH AND SCHOLARLY ACTIVITY

Book

Tom Buller. *Brain-Computer Interfaces: Philosophical Issues*. Cambridge University Press (forthcoming).

Articles in peer-reviewed journals and edited volumes

Tom Buller. "Neurociencia, Jucio Moral, y Conducta Voluntaria." in Rabadan A. *Neuroethics* (forthcoming).

Tom Buller. 2021. "Actions, Agents, and Interfaces," in Friedrich O, Wolkenstein A, Bublitz C, Joe R.J, and Racine E, *Clinical Neurotechnology Meets Artificial Intelligence: Philosophical, Ethical, Legal, and Social Implications*, Cham (Switzerland): Springer Publishing, 11-24.

Tom Buller. 2020. "Neuroethical Consciousness." *American Journal of Bioethics - Neuroscience* 11(3): 191-194.

Tom Buller. 2020. "Brain-Computer Interfaces and the Translation of Thought into Action." *Neuroethics* doi.org/10.1007/s12152-020-09433-9

Tom Buller. 2020. "How To Do Things With BCIs." *American Journal of Bioethics - Neuroscience* 11(1): 72-74.

Tom Buller. 2020. "Non-Human Primate Research in the Age of the Major Brain Projects," in Johnson LSM, Fenton A, and Shriver A, *Neuroethics and Nonhuman Animals*, Cham (Switzerland): Springer Publishing, 237-253.

Tom Buller. 2018. "The New Ethics of Neuroethics." *Clinical Neuroethics* 27 (4): 558-565.

Tom Buller. 2017. "The Future of Neuroethics Research and Training," in Racine E and Aspler J, *The Debate About Neuroethics*. New York: Springer, 183-201.

Tom Buller. 2015. "Advance Consent, Critical Interests, and Dementia Research." *Journal of Medical Ethics* 41: 701-707.

Tom Buller. 2014. "Animal Minds and Neuroimaging: Bridging the Gap between Science and Ethics?" *Cambridge Quarterly of Healthcare Ethics* 23 (2): 173-181.

Tom Buller. 2013. "Neurotechnology, Invasiveness and the Extended Mind." *Neuroethics* 6 (3): 593-607

Tuija Takala and Tom Buller. 2011. "Neural Grafting: Implications for Personal Identity and Personality." *Trames* 15 (65/60) 2: 168-178.

Tom Buller and Stephanie Bauer. 2011. "Balancing Procreative Autonomy and Parental Responsibility." *Cambridge Quarterly of Healthcare Ethics* 20 (2): 268-277.

Tom Buller. 2010. "Rationality, Responsibility, and Brain Function." *Cambridge Quarterly of Healthcare Ethics* 19 (2): 196-204.

Tom Buller. 2009. "Rationality, Reproduction and Responsibility." In Simonstein F., *Ethics and Reprogenetics: The Future of Gender*. New York: Springer, 151-161.

Tom Buller. 2009. "Gambling, Risks, and Reproduction - a reply to Matti Häyry." In Tuija Takala, Soren Holm and Peter Herissone-Kelly (Eds), *Cutting Through the Surface: Philosophical Approaches to Bioethics*. Amsterdam and New York: Rodopi Press, 210-17.

Tom Buller. 2008. "Morality in a Blur." *American Journal of Bioethics* 8 (5) 21-23.

Tom Buller. 2005. "Brains, lies and psychological explanations", in Judy Illes (ed.), *Neuroethics: Defining the Issues in Research, Practice and Policy*. Oxford and New York: Oxford University Press, 51-61.

Tom Buller. 2005. "Can we scan for truth in a society of liars?" *American Journal of Bioethics* 5 (2): 58-60.

Tom Buller. 2003. "Genetic reductionism and the concepts of health and disease." Brenda Almond and Michael Parker (Eds), *Ethical Issues in the New Genetics: Are Genes Us?* Aldershot: Ashgate, 2003, 83-91.

Tom Buller. 2002 "Subjective values, objective good, and incompetent patients." Bill Fulford, Tom Murray and Donna Dickenson (Eds), *The Blackwell Reader in Healthcare Ethics and Human Values*. London: Blackwell, 2002, 420-429.

Tom Buller. 2001. "Competence and risk-relativity." *Bioethics* 15 (2001): 93-109.

Tom Buller. 2001. "Constructed and enacted rules." *American Journal of Bioethics* 1: Online Peer Commentary. [<http://www.bioethics.net/journal/index.php?jid=4>].

Lisa Parker and Tom Buller. 1994. "A hard policy to swallow: Conflicting interests and informed consent." *Hastings Center Report* 24: 23-25.

Public Philosophy

Tom Buller. (2020). "Diversity and Inclusion in Neuroethics." *The Neuroethics Blog*. Retrieved on April 14, 2021, from <http://www.theneuroethicsblog.com/2020/07/diversity-and-inclusion-in-neuroethics.html>

Guest Editorials

Tom Buller, Adam Shriver and Martha Farah. 2014. "Broadening the Focus." *Cambridge Quarterly of Healthcare Ethics* 23 (2): 124-128.

Tom Buller. 2006. "What can neuroscience contribute to ethics?" *Journal of Medical Ethics* 32: (2): 63-64.

Book reviews

Ethan Waters, *Crazy Like Us: The Globalization of the American Psyche*, *American Journal of Bioethics - Neuroscience* 1 (3) 57-59. 2010.

Mark R. Wicclair, *Ethics and the Elderly*. *Medical Humanities Review* 9 (1995): 55-60.

Invited Presentations

"Cognitive Enhancement, Authenticity, and Belief Justification." Working Papers in Moral Psychology, Mount Sinai Bioethics Program (December 17, 2020 via Zoom).

"Is Speaking One's Mind the Same as Moving One's Arm? Extended Cognition, Bodily Movement, and the Differences Between BCI-Mediated Speech and BCI-Mediated Action." Responsibility of Control: Communication and Conversation through Technology (RAACT) workshop at Society for the Study of Artificial Intelligence and Stimulation of Behavior (AISB). St. Mary's University, London UK. (April 2020 this meeting was cancelled on account of the coronavirus pandemic).

"Brain-Computer Interfaces and Prosthetic Agents," Special Topics Lecture, Northwestern University Medical Humanities and Bioethics Program, (January 2020).

"Brain-Machine Interfaces and the Translation of Thought into Action." Uppsala University, Sweden, and St. Clare's College, Oxford, (February 2018).

"Actions, Intentions, and Brain-Machine Interfaces." Center for Neuroethics and Society, University of Pennsylvania, (October 2017).

"Brain-Machine Interfaces and Intentional Action." University of Otago, New Zealand, (September 2017).

"Advance Consent, Critical Interests, and Dementia Research." Illinois Institute of Technology, (November 2014).

"The Brains of Animals." Cambridge Neuroethics Network, Paris, France, (June, 2014),

"Autonomy, Externality and Neuroprosthetics." Special Topics Lecture, Northwestern University Medical Humanities and Bioethics Program, (October 2011).

"Advance Directives in Dementia Research." Ethics Grand Rounds, Nieswanger Institute for Bioethics and Health Policy, Loyola University Medical Center, (October 2011).

Recent Conference/Workshop Presentations

"Is Brain-Computer-Interface (BCI) behavior a form of remote control?" European Society for Philosophy and Psychology (ESPP) Annual Meeting (August 2021 online).

"Is speaking one's mind the same as moving one's arm? Extended cognition, bodily movement and the differences between BCI-mediated speech and BCI-mediated action." Society for the Study of Artificial Intelligence and the Simulation of Behavior (AISB-2020), (April 2020) [This meeting was cancelled due to the Coronavirus pandemic].

"Progress in Neurophilosophy" Neuroethics Boot Camp 10-year Reunion Conference, Center for Neuroscience and Society, University of Pennsylvania, (June 2019).

"How does the neuroscience of ethics fit into ethics? Neuroethics Network Meeting, Paris, France (June 2019).

"Actions, Agents, and Interfaces." Neurotechnology Meets AI. Institute of Ethics, History and Theory of Medicine, LMU, Munich, Germany (May 2019).

"Non-Human Primate Research in the Age of the Major Brain Projects." Neuroscience and Society Conference, Sydney, Australia (September 2017)

"(Brain)Machines, Interfaces, and Environments." Neuroethics Network Meeting, Paris, France, (June 2017).

"The Speculative Identity of Neuroethics." International Neuroethics Society, San Diego, (November 2016).

"Identity and Agency." Neuroethics Network Meeting, Paris, France, (June 2016).

"Neuroethics, Neuroscience, and Non-Human Primates." International Association of Bioethics, Edinburgh, Scotland, (June 2016).

"Brain-Machine Interfaces and the Conditions of Agency." Mind, Selves, and Technology Conference, Lisbon, Portugal, (June 2016).

"A Place for Phenomenal Consciousness in the Extended Mind Outlook." Towards a Science of Consciousness, (June 2015).

"Authenticity, Enhancement, and the Extended Mind." Cognitive Enhancement Conference, Delft, Holland, (August 2014).

"Neuroethics and Non-Human Animals" European Society for Philosophy, Medicine and Healthcare (ESPMH) Annual Meeting, Basel, Switzerland, (August 2013).

"Neurotechnology and the Extended Mind" Persons and Brains Conference, St. Anne's College, (Oxford, July 2012).

"Neuroethics and Animals" International Association for Bioethics (IAB) Annual Meeting, Rotterdam, Holland, and Minding Animals Conference, Utrecht, Holland, (June 2012).

"Neurotechnology, Invasiveness and the Extended Mind" SPP/(E)SPP Annual Meeting, Montreal, (July 2011).

"Identity and Consent in Dementia Research," Brain Matters 2 Conference, Montreal, Canada, (May 2011).

"Moral Character and the Perils of Cognitive Enhancement" European Society for Philosophy Medicine and Healthcare (ESPMH) Meeting, Zagreb Croatia, (August 2010), and American Society for Bioethics and Humanities (ASBH) Meeting, San Diego, (October 2010).

"Neurotechnology, Invasiveness and the Extended Mind" ESPMH Meeting, Zagreb Croatia, August 2010, ASBH Meeting, San Diego, (October 2010), and Joint Meeting of the Society for Philosophy and Psychology/European Society for Philosophy and Psychology, Montreal, Canada, (July 2011).

"Intentions and Intuitions" Law and Neuroscience Workshop, Halifax NS, Canada, (May 2010).

"Responsibility and Excusing Conditions" European Science Foundation Conference: "Law and Neuroscience," Italy, (October 2009).

"Cognitive Enhancement and the Extended Mind" University of Helsinki Finland and Future of Humanity Institute, University of Oxford, England, (October 2009).

"Rationality, Responsibility, and Brain Function" Law and Neuroscience Conference, University College London, England, (July 2009).

"Enhancing Bodies or Extending Minds?" (with Dr. Stephanie Bauer), ASBH Meeting, Cleveland, (October 2008).

Visiting Research Positions

Visiting Scholar, Uehiro Centre for Practical Ethics, University of Oxford, (January-March 2018).

Visiting Scholar, Center for Neuroscience and Society, University of Pennsylvania, (October-November 2017).

Workshops Attended

"Neurotechnology and Society: Strengthening Responsible Innovation in Brain Science", Washington D.C., United States, (September 2016).

Neuroimaging and Law, Dalhousie University, Canada, (May 2010).

Neuroscience Boot Camp, Center for Cognitive Neuroscience, University of Pennsylvania, (June 2009).

Undergraduate Neuroscience Workshop, Center for Cognitive Neuroscience, University of Pennsylvania, (June 2008).

Difficult Dialogues, CAFÉ, UAA, (March 2007).

Ethical, Legal and Social Issues (ELSI) in Genetics, Howard University, (May 2003).

Research with Native and Indigenous Communities, Office of Research Integrity (ORI/HHS) Prescott, AZ, (July 2002).

TEACHING

Courses Taught at ISU

PHI 101: Basic Issues in Philosophy

PHI 104: Ideas of Democracy

PHI 201: Metaphysics and Epistemology

PHI 204: Philosophy of Mind

PHI 224: Meaning and Religious Belief

PHI 232: Introduction to Ethics

PHI 236: Environmental Ethics

PHI 238: Rights and Wrongs

PHI 255: History of Modern Philosophy

PHI 299: Independent Study (Spring 2019: "Topics in Neuroethics").

PHI 330: Topics in Moral Theory "Consequentialism."

PHI 315: Topics in Mind and Language "From Neuroscience to Neuroethics."

PHI 315: Topics in Mind and Language "The Extended Mind."

PHI 310: Topics in Philosophy of Science "The Neuroscience of Consciousness."

Teaching Activity/Workshops

Center for Teaching and Learning Technology (CTLT) AIM (Summer 2019)

Quality Matters Course (Summer 2019)

Center for Teaching and Learning Technology (CTLT) Civic Engagement Course (Summer 2018).

Courses Taught at GSU

PHIL 301: Studies in Philosophy

MCOM 511: Communication Ethics

Courses Taught at UAA

PHIL A101: Introduction to Logic

PHIL A201: Introduction to Philosophy

PHIL A212: History of Philosophy II

HON A292: Seminar in the Social Sciences "The Mind and its Place in Nature"

PHIL A301: Introduction to Ethics

PHIL A302: Biomedical Ethics

PHIL A309: Philosophy of Mind

PHIL A400: Ethics, Community, and Society
PHIL A401: Aesthetics
PHIL A406: Philosophy of Law
PHIL A490: Topics in Contemporary Philosophy,
PHIL A492: Enduring Philosopher, "Locke, Berkeley, and Hume
PHIL A495: Service Learning in Applied Ethics
PHIL A498: Senior Thesis
PHIL A607: Clinicians, Ethics, and Medicine

SERVICE AND PROFESSIONAL ACTIVITY

Department/University at ISU

Director, Department of Philosophy Program Review, (2019-20)

Department of Philosophy Teaching Committee (2019-20)

Department of Philosophy Scholarship Committee (2019-20)

Communication Task Force (2019-)

CAS Research Proposal Review Committee (2019-2021)

Civic Engagement Ambassador, Center for Community Engagement and Service Learning (2019-)

Faculty Advisor, Alternative Spring Break, Salina, KS (March 2019)

Chair, Department of Philosophy (2012-17)

Department of Chemistry Search Committee (2015-16)

College of Arts and Sciences Strategic Plan Committee (2015-16).

Department/University Service at UAA

Philosophy Department Chair (2004-2009)

Responsible Conduct of Research Committee Chair (2007-09)

Philosophy Search Committee Chair, Environmental Ethics position, (2002)

Philosophy Search Committee Chair, Metaphysics and Epistemology position, (2005)

Philosophy Search Committee Chair, Environmental Ethics position, (2005)

Philosophy Search Committee Chair, Bioethics position, (2007)

External Ph.D. Supervisor, Biology Department, UAA (2005, 2007)

Health Research Think Tank (HeaRTT) Chair (2005-6)

Philosophy Department Assessment Coordinator (2004-07)

Undergraduate Research Committee (2006-11)

Undergraduate Research Consortium Library Prize Committee (2006-09)

Student Success Task Force (2007-09)

Distance Education Committee (2006)

Humanities and Other Ranks Faculty Review Committee (2005-08)

Faculty Senate (2005)

Search Committee, Vice-Provost for Research and Graduate Studies (2005)

CAS Dean's Advisory Committee on Scholarship, Research and Creative Activity (2005)

Ad Hoc Committee on Research Misconduct (2003)

Institutional Review Board Chair (2000-03)

Institutional Review Board, (1997-2003)

Professional Activity

Responsibility and Control: Communication and Conversation Through Technology, Program Committee, (April 2020)

International Neuroethics Society Annual Meeting Program Committee, (2016-18).

Clinical Ethics Committee, BroMenn Medical Center, Bloomington, IL (November 2014-2017)

Co-Chair, American Society of Bioethics and Humanities Annual Meeting, Washington DC (October 2012)

Book Review Editor: American Journal of Bioethics – Neuroscience, (2010-12)

ASBH Annual Meeting Program Committee, (2011).

Director, Bioethics Workshop, Alaska Regional Hospital (May-June 2010)

Instructor, Educational Talent Search (ETS) Philosophy Course for High School Students (2009)

Panelist, Invited Session on Neuroethics, Pacific APA, San Francisco (April, 2007)

Abstract Review, ASBH Annual Meeting Program, (2004, 2002).

Alaska State Genetics Planning Project Task Force, (2001-2003)

External Faculty Member, Alaska Family Practice Residency Program, (1997-2002).

Faculty Member, WWAMI Program, University of Alaska, Anchorage, (1997-).

Ethics Committee Member, Alaska Regional Medical Center, (2000-).

Ethics Committee Member, Providence Alaska Medical Center, (1997-).

Ethics Committee Member, Alaska Native Medical Center, (1997-2000).

Director, Organization Ethics Retreat, Valley Hospital, Palmer, (2001)

Director, Ethics Seminar Series, United States Department of Veterans Affairs Hospital, Anchorage, (2000-2001).

Manuscript Review

Oxford University Press, Journal of Clinical Ethics, Journal of Medical Ethics, American Journal of Bioethics, Journal of Empirical Research on Human Research Ethics, Neuroethics, MIT Press, The Wellcome Trust, Journal of Medicine and Philosophy, Routledge Publishing Company, European Journal of Philosophy, Philosophical Psychology.

Tenure/Promotion External Referee

Emory University, Atlanta (2020)

Dalhousie University, Canada (2018)

Southern Illinois University (2018)

University of Alaska Anchorage (2018)

University of Southern Mississippi (2013)

PhD Dissertation Committee

"Fideism: A Critical Evaluation," Chandana Deka, Indian Institute of Technology, Guwhati, India. (2021).

"An Ethical Framework of Nursing Home Placement", Kathryn Sexson, Oregon Health Sciences University (2008)

"Moral Problems in Behavioural Genetics - Should We Find 'Genes For' Intelligence?" Ainsley Janelle Newson, University of Melbourne, (2002)

AWARDS

ISU Summer Faculty Fellowship (2019)

UAA Distinguished Service by a Faculty Member, (2010)

Chancellor's Awards for Teaching Nomination (2010)

Chancellor's Fund Award (2009)

UDOC/NIDDK Outstanding Teaching (2008)

UAA Performance Enhancement Fund Grant, "Developing and Ethics Consultation Group for UAA." \$18,000 (2005)

NIH Ethical, Legal and Social Issues (ELSI) Grant, Ethics and Genetics Workshop, Howard University, (2003)

NEH Focus Grant, Seminar Series on Ethics and the Professions, UAA \$25,000 (2001)

UAA Faculty Development Awards (1999, 2003, 2007)

UAA Research Travel Awards (1998, 2002, 2005, 2006, 2008).

Outstanding Faculty Teaching Award Nomination (1998, 1999).

PROFESSIONAL ASSOCIATIONS

Neuroethics Network

International Neuroethics Society

American Philosophical Association

August 2021