

Timothy Emmanuel Brown

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Education

- Ph.D. Philosophy, University of Washington (in progress)
—with certificate in Science, Technology, and Society Studies (in progress)
- M.A. Philosophy, University of Washington, 2014
- B.A. Philosophy, University of California, Santa Cruz, 2008

Areas of Specialization: Neuroethics, Aesthetics

Areas of Competence: Medical Ethics, Feminist Philosophy, Philosophy of Science

Research Experience

BioRobotics Lab, University of Washington

Research Assistant (2014 – Present)

I work on the moral implications of Brain Computer Interface-triggered Deep Brain Stimulation (BCI-DBS). I ask: will DBS users experience psychosocial changes when they have BCI control over their treatment, and how well do existing accounts of autonomy and identity track those changes?

Center for Sensorimotor Neural Engineering (CSNE), University of Washington

Predoctoral Fellow (2012 – Present)

Fellows work with the [CSNE's Neuroethics Thrust](#)—under Dr. Sara Goering—to promote ethics engagement in neural engineering. I attended and participated in lab meetings, organized outreach events, conducted surveys, and co-authored articles for internal distribution and publication.

Publications (* peer-reviewed)

8. M. Thompson, J. Herron, T. Brown, H. J. Chizeck, J. Ojemann, and A. Ko, “Chronic ECoG for Sensing Movement Intention and Closed-Loop DBS with Wearable Sensors in an Essential Tremor Patient,” forthcoming in the *Journal of Neurosurgery*. *
7. L. S. Sullivan, E. Klein, T. Brown, M. Sample, M. Pham, P. Tubig, R. Folland, A. Truitt, and S. Goering, “Keeping Disability in Mind: A Qualitative Study of BCI Researcher Perspectives,” in review with *Science and Engineering Ethics*. *
6. T. Brown, M. Thompson, J. Herron, A. Ko, H. J. Chizeck, and S. Goering, “Controlling Our Brains — On the Ethical Implications of Brain Computer Interface-Triggered Deep Brain Stimulation for Essential Tremor,” *Brain-Computer Interfaces* 3 (3) (September 14th, 2016). *
5. T. Brown, P. Moore, J. Herron, M. Thompson, T. Bonaci, H. J. Chizeck, and S. Goering, “Personal Responsibility in the Age of User-Controlled Neuroprosthetics,” Proceedings of the 2016 *IEEE International Symposium on Ethics in Engineering, Science and Technology*. *
4. T. Brown, “Neuroethics, Mental Health, and Prisons: What Does Race Have to Do with It?” *Brainstorm* 9 (1) (January 15, 2016): 7-9.
3. T. Brown, “A Relational Take on Advisory Brain Implant Systems.” *AJOB Neuroscience*, 6, no. 4 (November 30, 2015): 46–47. *

2. E. Klein, T. Brown, M. Sample, A. R. Truitt, and S. Goering. "Engineering the Brain: Ethical Issues and the Introduction of Neural Devices." *Hastings Center Report*, 45, no. 6 (November 1, 2015): 26–35. *
1. T. Brown. "Narrative Practice Apart From Truth." *AJOB Neuroscience*, 3, no. 4 (October 2012): 91–92.*

Presentations (* invited, † poster)

7. T. Brown, P. Moore, J. Herron, M. Thompson, T. Bonaci, H. J. Chizeck, and S. Goering, "Personal Responsibility in the Age of User-Controlled Neuroprosthetics", Proceedings of the 2016 IEEE International Symposium on Ethics in Engineering, Science and Technology. *
6. T. Brown & Laura Specker-Sullivan, "Engineering Uncertainty at the Intersection of Agency, Autonomy, and Authenticity," *Bioethics: Preparing for the Unknown*, Center for the Study of Ethics in Society, Western Michigan University, 2016.
5. T. Brown, "'Who Am I When I'm in Control': The Identity Ethics of Closed-Loop Deep Brain Stimulation for Essential Tremor," *International Neuroethics Society Annual Meeting*, 2015. †
4. Comments on Lisa Shapiro's "What is a Philosophical Work?" and Leroy Searle's "Philosophy, Vision, and Poetic Construction: William Blake and J. M. Coetzee's Foe" at the *Roles of Fiction in Early Modern Philosophy Conference*. University of Washington. 2015.*
3. P. Moore, T. Brown, J. Herron, M. Thompson, T. Bonaci, S. Goering, H. Chizeck. "Personal Responsibility in the Age of User-Controlled Neuroprosthetics." *WeRobot Conference on Robotics, Law & Policy*, 2015.
2. T. Brown. "Intersectionality in Neuroethics," *American Society of Bioethics and Humanities Annual Meeting*, 2014.
1. S. Goering, E. Klein, T. Brown, A. Intriago, M. Sample, and A. Truitt. "Sensorimotor Neural Prosthetics and the Relevance of Disability Perspectives," *International Neuroethics Society Annual Meeting*, 2013. †

Teaching Experience

Teaching Assistant, University of Washington. (2011–2014)

Lower-Level Courses: Intro to Philosophy, Intro to Logic, Practical Reasoning, Moral Problems

Middle-Level Courses: Medical Ethics

Teaching Assistant, University of California Santa Cruz. (2008–2010)

Lower-Level Courses: Intro to Philosophy, Philosophy & Sexuality, Philosophy of Technology

Middle-Level Courses: Ancient Greek Philosophy, The Rationalists

Upper-Level Courses: The Problem of Other Minds

Fellowships, Awards, and Honors

2015 — Winner, CSNE Annual Hackathon, NSF Engineering Research Center for Sensorimotor Neural Engineering.

2014 — Seed grant for the project, "Focus Study: End-User Perspectives on Ethics Related to Sensorimotor Neural Engineering," NSF Engineering Research Center for Sensorimotor Neural Engineering, University of Washington.

2012 — Neuroethics Predoctoral Fellowship, NSF Engineering Research Center for Sensorimotor Neural Engineering.

Service

- 2016 — Mentor for Research Experience for Undergraduates (REU) program , NSF Engineering Research Center for Sensorimotor Neural Engineering.
- 2016 — Student / Postdoc Committee, International Neuroethics Society.
- 2016 — Secretary, Student Leadership Council, NSF Engineering Research Center for Sensorimotor Neural Engineering.
- 2015 — Mentor for Research Experience for Undergraduates (REU) program , NSF Engineering Research Center for Sensorimotor Neural Engineering.
- 2015 — Volunteer Coordinator, Joint Philosophy of Social Science Roundtable & European Network for the Philosophy of the Social Sciences Conference, University of Washington.
- 2014 — Judge for the 1st Annual CSNE Hackathon, NSF Engineering Research Center for Sensorimotor Neural Engineering.
- 2014 — Mentor for Young Scholars Program (YSP), NSF Engineering Research Center for Sensorimotor Neural Engineering.
- 2014 — Graduate Student Representative, UW Department of Philosophy.
- 2012 — Volunteer Coordinator, Ben Rabinowitz Symposium on Medical Ethics, UW Department of Philosophy.
- 2011 — Philosophy Department Representative for the (campus-wide) Graduate Student Association, UC Santa Cruz.

Associations

International Neuroethics Society
American Society for Aesthetics

American Philosophical Association
UW Critical Gaming Group

References

Sara Goering

Associate Professor of Philosophy
Neuroethics Thrust Leader at the *Center for Sensorimotor Neural Engineering*
University of Washington
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Ronald Moore

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Howard Chizeck

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