

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: Philosophy of Science, Medical Ethics, Feminist Philosophy

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 neurostimulators, and how would existing accounts of autonomy, identity, and agency 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. 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*.
7. 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," *Journal of Neurosurgery* (November 18, 2016): 1–8. *
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* (May 13th, 2016). *
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)

9. T. Brown and M.C. Thompson. "When Neuroethicists Become Labmates: Obstacles, Recommendations, and Metrics for Success," *International Neuroethics Society Annual Meeting*, 2016.
8. T. Brown. "Being in Control: On the Possibility of Brain Computer Interface-Triggered Deep Brain Stimulation for Essential Tremor," *American Society of Bioethics and Humanities Annual Meeting*, 2016.
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," 2016 IEEE International Symposium on Ethics in Engineering, Science and Technology.
6. T. Brown and 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. T. Brown, and M. Tate, 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, Contemporary 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

- 2017 — Predoctoral Fellow, Humanities Without Walls Initiative
- 2016 — Top Abstract & Oxford University Press Poster Award, International Neuroethics Society Annual Meeting
- 2015 — 1st place winner, NSF Engineering Research Center for Sensorimotor Neural Engineering Annual Hackathon.
- 2014 — Seed grant for the project, "Focus Study: End-User Perspectives on Ethics Related to Sensorimotor Neural Engineering," Center for Sensorimotor Neural Engineering, University of Washington.
- 2013 — Neuroethics Predoctoral Fellowship, Center for Sensorimotor Neural Engineering, University of Washington
- 2013 — Top Poster, International Neuroethics Society Annual Meeting

Service

- 2016 — Mentor for Research Experience for Undergraduates (REU) program, NSF Engineering Research Center for Sensorimotor Neural Engineering.
- 2016 — Student / Postdoctoral 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.

References

Sara Goering

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Neuroethics Thrust Leader at the Center for
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Howard Chizeck

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