

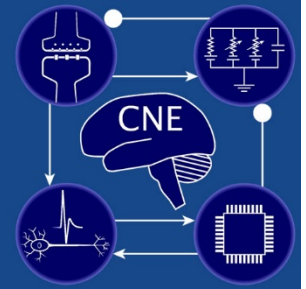


# PennState

## College of Engineering

### ENGINEERING SCIENCE AND MECHANICS

#### Center for Neural Engineering



## Neuroethics and Neural Engineering Faculty Position in Engineering Science and Mechanics and the Rock Ethics Institute

**Position:** The Department of Engineering Science and Mechanics (ESM) and the Rock Ethics Institute (REI) at Penn State University seek applicants for a tenure-track/tenured faculty position in Neuroethics and Neural Engineering. All academic ranks will be considered (Assistant, Associate, or Professor). This position will also be affiliated with Penn State's Center for Neural Engineering (CNE), Department of Neurosurgery, Bioethics Program, and Huck Institutes of the Life Sciences. Candidates who enrich our diversity are strongly encouraged to apply.

**Research Responsibilities:** The successful applicant will be a neuroethics scholar who can develop an internationally recognized research program in neuroethics and its relations to neural engineering research, education and practice. Neural Engineering encompasses work at the intersection between engineering and the physical sciences—including physics, chemistry, biology, and mathematics—to brain sciences and applications in brain health. Potential areas may include ethical and policy challenges related to invasive and noninvasive continuous brain monitoring, wearable technologies, analysis of electronic health records, brain-environment interactions including effects of neurotoxins, safety and data security of neural prosthetics and medical devices, augmented cognition, brain-computer interfaces and assistive technologies, and sustainable health engineering. The candidate will advise and mentor undergraduate and graduate students in a diverse, multicultural, and interdisciplinary global program; and will maintain high pedagogical standards, as well as contribute to our positive, engaging scholastic community.

**Teaching Responsibilities:** The successful applicant will teach undergraduate and graduate courses in engineering and offer new interdisciplinary courses that will attract students from the Colleges of Engineering, Liberal Arts, Medicine, and Science; and the Bioethics and Neurosciences graduate programs.

#### Information on Departments and Research Centers:

- The Engineering Science and Mechanics (ESM) Department (<http://www.esm.psu.edu/>)
- Center for Neural Engineering (CNE) (<http://cne.psu.edu/>)
- The Rock Ethics Institute (<http://rockethics.psu.edu/>)
- Bioethics Program (<http://bioethics.psu.edu/>)

**Qualifications:** A Ph.D. in a discipline relevant to neuroethics and neural engineering, and demonstrated experience engaging with relevant ethical issues through research, teaching or both is required. One degree (B.S., M.S., Ph.D.) must be from a scientific, engineering or technology field. Research and/or coursework related to neural engineering is preferred. The successful candidate must have completed all degree requirements by the appointment date.

**Inquiries** can be directed to search committee chair Dr. Bruce Gluckman, Director, Center for Neural Engineering, [ESMNeuroethicsSearch@esm.psu.edu](mailto:ESMNeuroethicsSearch@esm.psu.edu)

**Application review will begin immediately and will continue until the position is filled. The expected start date is August 15, 2020.**

**Applications must be submitted to job 91515 at <https://psu.jobs/job/91515>.**

**The application should contain a single PDF file comprising in the following order:**

- (1) a cover letter,
- (2) curriculum vitae,
- (3) statements on research, teaching, and past or future contributions to diversity and inclusion,
- (4) three relevant publications, and
- (5) names and addresses of four references.

**The cover letter and/or research statements should address how the candidate's work:**

- (a) is relevant to the Rock Ethics Institute's mission,
- (b) will be enhanced by faculty membership in the ESM department; and
- (c) will connect to and leverage activities in the Center for Neural Engineering.

To review the Annual Security Report which contains information about crime statistics and other safety and security matters and policies, please go to <https://police.psu.edu/annual-security-reports>, which will also explain how to request a paper copy of the Annual Security Report.

Penn State is an equal opportunity, affirmative action employer, and is committed to providing employment opportunities to all qualified applicants without regard to race, color, religion, age, sex, sexual orientation, gender identity, national origin, disability or protected veteran status.