

## Two Full Time PhD Positions in Biomedical Engineering at the University of Rhode Island

The Neural Processing and Control Lab (NeuralIPC Lab) at the University of Rhode Island (URI), Department of Electrical, Computer, and Biomedical Engineering (ECBE) has two PhD position openings in the field of neural signal processing and Brain-Computer Interface (BCI) systems. The position offers a competitive stipend and tuition waiver for the graduate assistants. The nature of this position will provide the graduate students with opportunities to work on multidisciplinary collaborative projects.

We are seeking highly motivated and talented graduate research students whose research interests lie at the intersection of neural engineering, cognitive neuroscience, and control systems. Our current lab's projects include developing Hybrid BCI systems, neural signal analysis of patients with different types of neurological impairments including patients with disorders of consciousness (DOC), epilepsy, Schizophrenia, and Parkinson's disease (PD) with different brain imaging modalities of invasive and non-invasive recordings. The successful candidates must have master's degree in electrical engineering or biomedical engineering, background in neural engineering, signal processing, machine learning algorithms, and extensive programming experience with Matlab. Background in BCI and control systems, cognitive neuroscience, and other programming languages such as C++ are desired but not mandatory.

The ECBE department, offers programs in BS, MS, and PhD degrees. URI's College of Engineering offers innovative undergraduate and graduate programs with comprehensive doctoral research. The main campus is located in Kingston, an established, family-friendly, small community only five miles from Narragansett Bay and the Atlantic Ocean. Kingston lies in close proximity to popular tourist destinations, like Narragansett, Boston, and New York, yet still retains its small town feel. The weather is tempered compared to nearby states due to close proximity to the Atlantic Ocean. Living in Rhode Island offers an array of outdoor activities and close proximity to major metropolitan areas for a quick getaway.

Applicants should submit a cover letter, resume, a brief summary of the current and proposed research, GRE, TOEFL/IELTS (for international students only), official/unofficial master and bachelor academic transcripts, and three letters of recommendation to Dr. Yalda Shahriari ([Yalda\\_shahriari@uri.edu](mailto:Yalda_shahriari@uri.edu)) preferably before Dec 15<sup>th</sup>. Please send all your documents as a single PDF file. Applications will be considered until the positions are filled.

### **Yalda Shahriari, Ph.D.**

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