

BCI Graduate Research Assistantships at Old Dominion University

The Advanced Signal Processing in Engineering and Neuroscience (ASPEN) Laboratory at Old Dominion University (ODU) is seeking qualified and ambitious graduate research assistants for several funded Brain-Computer Interface (BCI) projects. Preference will be given to Ph.D. students with experience in signal processing, machine learning, and/or neural engineering, although outstanding Masters students will also be considered. Programming experience in Matlab and C++ is desired. A background in robotics and/or neuroscience is also desirable, but not mandatory. The research assistantships offer a competitive stipend and tuition waiver. Graduate research assistants will be expected to contribute to experimental design, data collection, data analysis, technical publications; and assist with supervising lab activities for BCI projects.

The ASPEN Lab collaborates with the Mayo Clinic Neurology Department to conduct original Electroencephalographic (EEG)-based BCI studies. Current BCI projects include control of a robotic manipulator and exploration of novel feature extraction and translation techniques. The lab also maintains active collaborations with Wadsworth Center and several prominent BCI labs around the world. For more information on the ASPEN Lab visit: www.odu.edu/~dkrusien/

The Batten College of Engineering and Technology (BCET) at ODU offers BS, MS, and PhD degrees in Electrical and Mechanical Engineering (among others), and will offer a new PhD in Biomedical Engineering starting in 2011. ODU is a state-assisted, Carnegie doctoral/research institution enrolling more than 22,000 students. The University's main campus is in Norfolk, Virginia, a major seaport. The University is in close proximity to various attractions including Virginia Beach, Colonial Williamsburg, Busch Gardens, and NASA Langley.

Applicants should email a cover letter, resume, academic transcripts, GRE scores, and contact information for 3 references to:

Dean Krusienski, Ph.D.
Associate Professor of Electrical & Computer Engineering/Biomedical Engineering
Director, ASPEN Laboratory
Old Dominion University
dkrusien@odu.edu

Review of applications will begin immediately and continue until the positions are filled.