Postdoctoral Position (funded for 2+ years) in Neural Signal Processing
Virginia Commonwealth University, Richmond, VA

The Advanced Signal Processing in Engineering and Neuroscience (ASPEN) Lab at Virginia Commonwealth University (VCU) is seeking a postdoctoral scholar in the field of neural signal processing. The lab collaborates with the VCU and UC San Diego Epilepsy Centers to conduct original neuroscientific studies using intracranial brain signals (ECoG and sEEG). The focus of the position will be on the development of algorithms for decoding cognitive and behavioral correlates of intracranial recordings. The candidate is expected to be involved in all aspects of this research including experimental design, data collection, method development, signal analysis and interpretation, manuscript preparation, and grant development. The candidate may also contribute to ongoing non-invasive EEG projects, with emphasis on virtual reality applications.

The candidate is expected to have a solid background in signal processing, machine learning, and proficiency in MATLAB. The candidate is also expected to have experience with the analysis of neurophysiological data such as EEG, sEEG, and/or ECoG. We will not consider candidates without demonstrated experience in these areas. In addition, the candidate should have excellent communication skills and a strong work ethic.

The ASPEN Lab maintains active collaborations with several prominent neurotechnology labs around the world. For more information on the ASPEN Lab visit: sites.google.com/vcu.edu/aspenlab/. VCU is a state-assisted, Carnegie doctoral/research institution enrolling more than 31,000 students. It has an urban campus located in Richmond, VA, with vibrant art, food, historical, and entertainment scenes.

Applicants should email a CV, a brief personal statement including research objectives, and contact information for two professional references to Dr. Dean Krusienski (djkrusienski@vcu.edu). Review of applications will begin immediately and continue until the position is filled.