



**Oregon State**  
**University**

**Electrical Engineering &  
Computer Science**

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The Information Processing Group is seeking motivated candidates with interest in the areas of signal processing, machine learning, and neuroscience/biomedical engineering applications for a full-time postdoctoral research position in the School of Electrical Engineering and Computer Science at Oregon State University.

The funding for the position comes from NIH through our industry partner, and involves detecting, counting and predicting epileptic seizures by analyzing data recorded from a single, wearable and connected EEG sensor. The successful candidate will have evidence of accomplishments in signal processing and machine learning. Knowledge and experience in bioelectrical signal analysis will be a plus. We are looking for creative individuals, who are excited by a collaborative industry-university research experience and are motivated by the opportunity to work in areas beyond their own technical expertise.

Applicants should be recent graduates with a doctoral degree (PhD or equivalent) in electrical engineering, computer science, or a related discipline. Successful candidates will possess strong analytical, algorithm development, and communication skills, including a record of scholarly writing. The duties and responsibilities for this position include:

1. Development, implementation and evaluation of seizure detection, counting and prediction algorithms.
2. Regular interaction with the projects industry partner, including some travel.
3. Data management and analysis.
4. Preparation of results for presentation, publication, and contractual reports.
5. Training, directing, and mentoring students and support personnel.

Stipend and benefits conform with postdoctoral scholar standards at OSU. More information about postdoctoral scholar appointments at OSU can be found at <https://gradschool.oregonstate.edu/postdocs>.

The position is available immediately and will remain open until filled. Interested candidates should send a cover letter describing your research interests, CV, and contact information of three professional references to Prof. V John Mathews at [mathews@oregonstate.edu](mailto:mathews@oregonstate.edu).

OSU commits to inclusive excellence by advancing equity and diversity in all that we do. We are an Affirmative Action/Equal Opportunity employer, and particularly encourage applications from members of historically underrepresented racial/ethnic groups, women, individuals with disabilities, veterans, LGBTQ community members, and others who demonstrate the ability to help us achieve our vision of a diverse and inclusive community.