



High Performance Electrical NeuroImaging Laboratory



# NEWSLETTER

## A TEAM SCIENCE

The CCSN High Performance Electrical NeuroImaging (HPEN) Laboratory aims to facilitate and create new interdisciplinary learning opportunities in social neuroscience, electrical neuroimaging and supercomputing for scientists, students and teachers (<http://hpenlaboratory.uchicago.edu/>).

If you wish to learn more about the White House Brain Research through Advancing Innovative Neurotechnologies (BRAIN) Initiative: <https://hpenlaboratory.uchicago.edu/page/brain-initiative>

## UPCOMING EVENTS

### Research Computing Center Workshop on Swift

April 9, 1pm– 4pm

*The Research Computing Center at the University of Chicago, in collaboration with the Computation Institute, is hosting a hands-on workshop Swift computing framework, a simple language for writing parallel scripts.*

[https://training.uchicago.edu/course\\_detail.cfm?course\\_id=1374](https://training.uchicago.edu/course_detail.cfm?course_id=1374)

If you wish to share your news/events/work with HPEN, please contact us at: [hpen@uchicago.edu](mailto:hpen@uchicago.edu)

## NEWS

Last month's Brain Awareness Week event was a great success!

Students from Kenwood Academy High School joined HPEN researchers for a live EEG demo and 3D projection of brain images at CCSN and RCC <https://hpenlaboratory.uchicago.edu/gallery/2013-brain-awareness-week>

### Prospective Researchers

If you wish to perform research at HPEN, please send us your proposal by the 15th of the month at [hpen@uchicago.edu](mailto:hpen@uchicago.edu)

<http://hpenlaboratory.uchicago.edu/news/scientific-review-committee>

### Selected list of scientific publications that might be of interest to HPEN Community :

Body Posture Modulates Action Perception  
Marius Zimmermann, Ivan Toni, and Floris P. de Lange  
J. Neurosci. 2013;33 5930-5938

<http://www.jneurosci.org/cgi/content/abstract/33/14/5930?etoc>

Toward High Performance, Weakly Invasive Brain Computer Interfaces Using Selective Visual Attention  
David Rotermund, Udo A. Ernst, Sunita Mandon, Katja Taylor, Yulia Smiyukha, Andreas K. Kreiter, and Klaus R. Pawelzik  
J. Neurosci. 2013;33 6001-6011

<http://www.jneurosci.org/cgi/content/abstract/33/14/6001?etoc>

Modulation of {alpha} Power and Functional Connectivity during Facial Affect Recognition  
Tzvetan Popov, Gregory A. Miller, Brigitte Rockstroh, and Nathan Weisz J. Neurosci. 2013;33 6018-6026  
<http://www.jneurosci.org/cgi/content/abstract/33/14/6018?etoc>