



**October, 2017**

## **Honors and Awards**

- The CSNE would like to thank **Deb Harper**, CSNE Administrative Director, for her years of dedicated service to the CSNE. Deb is leaving the CSNE to take the position as Interim-Administrator in the UW Department of Mechanical Engineering. Deb's last day with the CSNE was September 29, 2017.
- Congratulations to **Wayne Gillam** who has been promoted to CSNE Director of Communications.
- Congratulations to **Jessie Zhang** for receiving the Dennis Lang Student Award. Jessie was a 2012 CSNE Young Scholar Program student and graduated from the University of Washington in 2017.
- Congratulations to **Kaitlyn Casimo** who won the local CSNE "Perfect Pitch" Contest. Rajas Agashe placed second and David Caldwell placed third. Kaitlyn will represent the CSNE next month when she competes in the national Perfect Pitch Contest in Washington, D.C.
- CSNE faculty member **Matt Reynolds** and his colleagues won the UbiComp 10-Year Impact Award.

## **Upcoming Seminars, Lectures, Courses, Conferences**

- "Neural devices to promote plasticity and recovery following spinal cord injury" (**Chet Moritz**, CSNE Co-Director, Associate Professor, Departments of Rehabilitation Medicine, Physiology & Biophysics, University of Washington and "Neural coding of leg proprioception" and John Tuthill, (Assistant Professor, Department of Physiology & Biophysics, University of Washington) , Wednesday, October 11, 3:30 pm, UW Husky Union Building (HUB) 337.
- UW Graduate Program in Neuroscience Seminars:
  - October 2, 2017, 3:30 pm, HSB T-639, Dr. Astrid Prinz, "Plasticity, stability, and ensemble modeling of neuronal circuits"
  - October 9, 2017, 3:30 pm, HSB T-639, Dr. Stephen Smith
  - October 16, 2017, 3:30 pm, HSB T-639, Dr. Jill Becker
  - October 23, 2017, 3:30 pm, HSB T-639, Dr. Jack Feldman
  - October 30, 2017, 3:30 pm, HSB T-639, Dr. Cecilia Moens
- 2017 UW Data Science Career Fair, Monday, October 23, 2017, noon-5:00 pm, HUB Ballroom  
<http://escience.washington.edu/data-science-career-fair/>



## CENTER FOR SENSORIMOTOR NEURAL ENGINEERING

*Improving lives by connecting brains and technology*

### New CSNE Publications

- **Gilbert, F.**, Goddard, E., Viaña, J.N.M., Carter, A. and Horne, M., I miss being me: Phenomenological effects of deep brain stimulation, *AJOB Neuroscience*, 8:96-109, 2017.
- Christiansen, M.G., Howe, C.M., Bono, D.C., Perreault, D.J. and **Anikeeva, P.**, Practical methods for generating alternating magnetic fields for biomedical research. *Rev Sci Instrum.* 2017 Aug;88(8):084301. doi: 10.1063/1.4999358.
- Fyall, A.M., El-Shamayleh, Y., Choi H., **Shea-Brown, E.** and Pasupathy, A., Dynamic representation of partially occluded objects in primate prefrontal and visual cortex, *eLife* 2017;6:e25784 doi: 10.7554/eLife.25784.
- **Specker Sullivan, L. and Illes, J.**, Ethics in published brain computer interface research, *J Neural Eng.* 2017 Sep 21. doi: 10.1088/1741-2552/aa8e05.

### CSNE in the News

- Investing in Innovation  
<https://www.engr.washington.edu/news/trend/Autumn-2017/investing-in-innovation>
- Applications for the 2018 Winter/Spring quarter CSNE Post-baccalaureate program are now available. Students who have received their undergraduate degrees by December, 2017, are eligible to apply. More information and an application form for the program are available at:  
<http://csne-erc.org/education-undergraduate/post-baccalaureate-program>

### New CSNE Blog Posts

- Immersive research experience gives undergraduate students a strong foundation for success  
<http://csne-erc.org/engage-enable/post/immersive-research-experience-gives-undergraduate-students-strong-foundation>
- Student veterans bring unique perspectives, experience and grit to the CSNE  
<http://csne-erc.org/engage-enable/post/student-veterans-bring-unique-perspectives-experience-and-grit-csne>
- Immersive research experience helps secondary school science teachers bring neural engineering to their students  
<http://csne-erc.org/engage-enable/post/immersive-research-experience-helps-secondary-school-science-teachers-bring>



### Recent Papers of Interest to the CSNE Community

- Wang, K. Wang, Z., Guo, Y., He., F., Qi, H., Xu, M. and Ming, D., A brain-computer interface driven by imagining different force loads on a single hand: an online feasibility study, J NeuroEng Rehabilitation (2017) 14:93 DOI 10.1186/s12984-017-0307-1
- Nordin, A.D., Rymer, W.Z., Biewener, A.A., Schwartz, A.B., Chen, D. and Horak, F.B., Biomechanics and neural control of movement, 20 years later: what have we learned and what has changed?, J NeuroEng Rehabilitation (2017) 14:91 DOI 10.1186/s12984-017-0298-y
- Ahmed, Z., Effects of cathodal trans-spinal direct current stimulation on lower urinary tract function in normal and spinal cord injury mice with overactive bladder, J Neural Eng., 14:5.
- McCrimmon, C.M., Fu, J.L., Wang, M., Lopes, L.S., Wang, P.T., Karimi-Bidhendi, A. and Liu, C.Y., Performance assessment of a custom, portable, and low-cost brain-computer interface platform, IEEE Trans Biomed Eng, 64:2313-2320, 2017.

### Fellowship/Job Opportunities

- 2018 Winter/Spring quarter CSNE Post-baccalaureate program  
<http://www.csne-erc.org/education-undergraduate/post-baccalaureate-program>
- Allen AI Predoctoral Young Investigator Program  
<http://allenai.org/predoctoral-young-investigator.html>

### Grant Opportunities

- BRAIN Initiative: Research Resource Grants for Technology Integration and Dissemination (U24)  
<http://www.grants.gov/web/grants/view-opportunity.html?oppld=297590>
- BRAIN Initiative: Tools to target, identify and characterize non-neuronal cells in the brain  
<https://grants.nih.gov/grants/guide/rfa-files/RFA-DA-18-018.html>
- BRAIN Initiative: Exploratory Team-Research BRAIN Circuit Programs - eTeamBCP  
<https://www.grants.gov/web/grants/view-opportunity.html?oppld=297688>
- High Impact Neuroscience Research Resource Grants (R24)  
<https://grants.nih.gov/grants/guide/rfa-files/RFA-NS-18-006.html>

Please send additional news and events items for inclusion in this newsletter to Dr. Eric Chudler (CSNE, Executive Director) at [chudler@uw.edu](mailto:chudler@uw.edu).