2016 Neural Computation and Engineering Connection

Thursday, January 28, 2016

CSNE - Russell Hall Suite 204, 1414 NE 42nd St.

Guest wireless access: Connect to network “University of Washington”, open browser
UW NetID: event1000  Password: 25xL/64bZ/79sN

12:00-1:00pm  Lunch and Neuroethics talk
               Sara Goering, CSNE & UW Philosophy

1:00-1:10pm    Break

1:10-1:15pm    Welcome
               Adrienne Fairhall and Tom Daniel,
               Co-Directors, UW Institute for Neuroengineering

1:15-1:25pm    General Introductions

1:25-1:50pm    1-slide introductions by new UWIN and Computational Neuroscience graduate
               and postdoctoral fellows:
               Nancy Wang, Brunton and Rao labs
               Ben Shuman, Steele lab
               Nile Wilson, Rao and Ojemann labs
               Miriam Ben-Hamo, de la Iglesia and Reynolds labs
               Nick Foti, Lee and Fox labs
               Kathleen Champion, Shea-Brown lab

1:50-2:05pm    "Enhancing Artificial Sensory Feedback while preserving recording quality"
               David Bjanes, Moritz and Smith labs

2:05-2:20pm    "Electrocorticographic dynamics of coordinated arm movements"
               James Wu, Ojemann and Rao labs

2:20-2:35pm    "Tremor detection from deep brain local field potentials"
               Brady Houston, Chizeck lab

2:35-2:55      Break

2:55-3:10pm    "Opening the hand - quantifying extension torques in healthy individuals"
               Gaurav Mukherjee, Steele lab
3:10-3:25pm  "How to grow a brain in silico: A simple generative model for the mesoscale connectome"
             Rich Pang, Fairhall lab

3:25-3:40pm  "Luminance dependent long-term chromatic adaptation"
             Joris Vincent, Buck lab

3:40-3:55pm  "The hippocampus and relational memory"
             Seth Koenig, Buffalo lab

3:55-4:10pm  "Neural representations of space in the monkey hippocampal formation"
             Yoni Browning, Buffalo and Fairhall labs

4:10-4:30pm  Break

4:30-5:20pm  Plenary Lecture: "Neuromechanical principles underlying sensorimotor modularity: Implications for rehabilitation"
             Lena Ting, Georgia Institute of Technology, Emory University

5:20-6:45pm  Poster session** and pizza

**Please note that the street doors to Russell Hall lock at 6pm. If you plan to attend the poster session, please arrive prior to 6pm.