

# Workshop Program

December 18th, 2011 (Sunday)

- 08:30-08:50 Registration**
- 08:50-09:00 Opening Remarks**
- 09:00-10:30 Oral Session 18thAM- I** [ Chairperson: Soo-Young Lee ]
- 09:00-09:30 *Xiaohui Zhang, Institute of Neuroscience, Chinese Academy of Sciences, China*  
Neuronal Integration of Synaptic Excitation and Inhibition
- 09:30-10:00 *Seong-Whan Lee, Korea University, Korea*  
EEG-based Person Authentication using Face-Specific Self-Representation
- 10:00-10:30 *Masafumi Oizumi, RIKEN, BSI, Japan*  
Consciousness and information integration
- 10:30-11:00 Tea Break**
- 11:00-12:30 Oral Session 18thAM- II** [ Chairperson: Thomas Knöpfel ]
- 11:00-11:30 *Jun Morimoto, ATR, Japan*  
Extraction of latent connections between sensory receptors and DRG neurons
- 11:30-12:00 *Liqing Zhang, Shanghai Jiaotong University, China*  
Tensor Discriminant Analysis and Multi-Neurofeedback for Motor Functional Rehabilitation
- 12:00-12:30 *Jong C. Ye, KAIST, Korea*  
fNIRS simultaneous recording for fMRI analysis
- 12:30-13:30 Lunch Break**
- 13:30-15:00 Oral Session 18thPM- I** [ Chairperson: Si Wu ]
- 13:30-14:00 *K. Y. Michael Wong, Hong Kong University of Science & Technology, China*  
Processing Stimuli in a Neural Field with Dynamical Synapses
- 14:00-14:30 *Kukjin Kang, RIKEN BSI, Japan*  
Self-consistent learning of the environment
- 14:30-15:00 *Jong-Hwan Lee, Korea University, Korea*  
Default-mode networks (DMNs) from functional magnetic resonance imaging (fMRI) data: Analytical options and potential clinical implications
- 15:00-15:30 Tea Break**
- 15:30-17:00 Oral Session 18thPM- II** [ Chairperson: Kenji Doya ]
- 15:30-16:00 *Shigang He, Institute of Biophysics, Chinese Academy of Sciences, China*  
Development of a neurocircuitry for coding motion directions in the retina
- 16:00-16:30 *Naoyuki Sato, Future Univ Hakodate, Japan*  
A computational framework of large-scale space representation based on entorhinal grid cells
- 16:30-17:00 *Minho Lee, Kyungpook National University, Korea*  
Human Augmented Cognition
- 17:00-17:20 Poster Presentation Highlights**
- 17:20-17:30 Break**
- 17:30-18:45 Poster Session**
- 19:00-21:00 Welcome Party**
- 21:00 Closing**

## Workshop Program

December 19th, 2011 (Monday)

- 09:00-10:30**                    **Oral Session 19thAM- I**    [ Chairperson: Minho Lee ]
- 09:00-09:30    *Seunghwan Kim, POSTECH, Korea*  
Understanding the functional connectivity of the brain through anesthetic studies
- 09:30-10:00    *Tadashi Isa, NIPS, Japan*  
A novel genetic tool to dissect the circuits for hand dexterity in primates
- 10:00-10:30    *Jiulin Du, Institute of Neuroscience, Chinese Academy of Sciences, China*  
Visual modulation of audiomotor response via hypothalamic dopaminergic Neurons in zebrafish
- 10:30-11:00**                    **Tea Break**
- 11:00-12:30**                  **Oral Session 19thAM- II**    [ Chairperson: Liqing Zhang ]
- 11:00-11:30    *Soo-Young Lee, Department of Electrical Engineering and Brain Science Research Center KAIST, Korea*  
Understanding human implicit intention
- 11:30-12:00    *Zhihua Wu, Institute of Biophysics, Chinese Academy of Sciences, China*  
A computational model of decision-making in *Drosophila*
- 12:00-12:30    *Kenji Doya, OIST, Japan*  
Parallelism of multiple decision strategies in the cortico-basal ganglia networks
- 12:30-13:00**                  **Closing Remarks**
- 13:00-18:00**                  **Cultural Tour/Lunch**