

# Program Schedule

	24 Aug (Mon.)	25 Aug (Tue.)	26 Aug (Wed.)	27 Aug (Thu.)	29 Aug (Sat.)	30 Aug (Sun.)	31 Aug (Mon.)
9:00   10:00		<b>Prof. Shih-Chii Liu</b> (ETH, Switzerland) Event-based sensors, processing algorithms, and networks	<b>Prof. Jonathan Tapson</b> (UWS, Australia) Order from chaos: engineered systems based on stochastic processes	<b>Dr. Hari Subramanian</b> (UQ, Australia) Neuromodulation of the midbrain periaqueductal gray: Opportunities and Challenges	<b>Prof. Yagi Tetsuya</b> (Osaka, Japan) A neuromorphic retina model and its applications in physiology and engineering	<b>Prof. Leanne Chan</b> (CUH, Hong Kong) Spatial Processing in Primary Visual Cortex Under Multi-Site Electrical Stimulation on Retina	<b>Prof. Tong Boon Tang</b> (UTP, Malaysia) Introduction to function Near Infrared Spectroscopy and its applications
	Coffee break						
10:30   11:30		<b>Prof. Arindam Basu</b> (NTU, Singapore) How can Dendritic Computation be useful in Neuromorphic Systems?	<b>Prof. Hiro Okuno</b> (Osaka, Japan) A wearable phosphene vision simulator for cortical visual prosthesis	<b>Prof. Jeehyun Kwag</b> (KU, Korea) Computational Models and Applications of Grid Cells and Place Cells	<b>Dr. Garrick Orchard</b> (NUS, Singapore) Spike-based Visual Processing	<b>Prof. Guoxing Wang</b> (SJTU, China) How Integrated Circuits Can Restore Vision for Blind People	<b>Prof. Lee Wei Lim</b> (SU, Malaysia) Deep Brain Stimulation of the Prefrontal Cortex: from Depression to Memory Enhancement
12:00   13:30		Lunch					Closing Remarks
13:30   14:20	Registration & Opening Ceremony	<b>Prof. Shuenn-Yuh Lee</b> (NCKU, Taiwan) Low Power Wireless ECG Acquisition and Cardiac Stimulation SOCs for Body Sensor Networks	<b>Prof. Chung-Yu Wu</b> (NCTU, Taiwan) Circuit and System Design in Implantable Closed-Loop Neuro-Prosthetic Systems for Epilepsy	<b>Prof. Yen-Chung Chang</b> (NTHU, Taiwan) Altered neural circuits in the primary motor cortex of hemi-Parkinsonian rats	<b>Prof. Chung-Chuan Lo</b> (NTHU, Taiwan) The virtual fruit fly brain -- from bench-top to cyberspace	Project Presentation	
14:20   15:10		<b>Discussion</b> Hsin Chen, Sheng-Yu Peng	<b>Discussion</b> Kea-Tiong, Tang Hiro Okuno	<b>Discussion</b> Yen-Chung Chang, Shih-Rung Yeh	<b>Discussion</b> Chung-Chuan Lo, Yi-Wen Liu		
15:10   19:00		Hands-On Projects					
21:00		Dinner					

**\*Aug. 28<sup>th</sup> is the brainstorming day**

## Program Overview

Day	Topic
24 <sup>th</sup> Aug	Registration and Opening Ceremony
25 <sup>th</sup> Aug	Neuromorphic Devices and Systems
26 <sup>th</sup> Aug	Neuromorphic Sensory Systems
27 <sup>th</sup> Aug	Neurophysiological Models
28 <sup>th</sup> Aug	Brainstorming Sessions
29 <sup>th</sup> Aug	Neuroinformatics
30 <sup>th</sup> Aug	Brain-Machine Interface and Neural Prostheses
31 <sup>st</sup> Aug	Cognitive Science and Rehabilitation