

2017 Bilateral Workshop between Tohoku University and National Tsing Hua University

Co-organizer: [College of Electrical Engineering and Computer Science \(EECS\), NTHU](#), Taiwan
[Graduate School of Information Sciences \(GSIS\), TU](#), Japan

Date: 13~14 October, 2017

Venue: [Mabuville](#), Beipu, Hsinchu, Taiwan

Scientific Program

October 13, 2017		
Opening		
10:00 – 10:10	Vice-Dean Shiuh Chao 趙 煦, EECS, National Tsing Hua University Dean Takeshi Tokuyama 徳山 豪, GSIS, Tohoku University	
Plenary Session		
10:10 – 11:00	Koichi Hashimoto 橋本 浩一 (Professor, Vice-Dean, GSIS, TU) Title: <i>Robotic microscope for measuring and manipulating neural activity during navigation</i>	
11:00 – 11:50	Chung-Ta King 金仲達 (Professor, Dept. of Computer Science, NTHU) Title: <i>Vision-based road scenery labeling, prediction, and synthesis on Taiwan's traffic for self-driving cars</i>	
Lunch		
	Oral Session A	Oral Session B
	Session Chair: Chiou-Ting Hsu 許秋婷 (Professor, Dept. of Computer Science, NTHU)	Session Chair: Kazuyuki Tanaka 田中和之 (Professor, GSIS, TU)
14:00 – 14:30	Zhenglie Cui 崔正烈 (Assistant Professor, RIEC, TU) Title: <i>Effect of full-body vibration generated from audio signal on perceived reality</i>	Akira Suzuki 鈴木 顕 (Assistant Professor, GSIS, TU) Title: <i>Computational power of energy-efficient threshold circuits</i>
14:30 – 15:00	Chi-Chun Lee 李祈均 (Assistant Professor, Dept. of Electrical Engineering, NTHU) Title: <i>Computing Human Behavior Health Analytics from Speech, Language, and Video</i>	Wing-Kai Hon 韓永楷 (Associate Professor, Dept. of Computer Science, NTHU) Title: <i>Parameterized Dictionary Matching</i>
Break (30 minutes)		
15:30 – 16:00	Hwann-Tzong Chen 陳煥宗 (Professor, Dept. of Computer Science, NTHU) Title: <i>Self Adversarial Training for Human Pose Estimation</i>	Chao-Tsung Huang 黃朝宗 (Assistant Professor, Dept. Of Electrical Engineering, NTHU) Title: <i>Empirical Bayesian Parameter Estimation for Neighborhood filtering and Stereo Matching</i>
16:00 – 16:30	Ryo Yoshinaka 吉仲 亮 (Associate Professor, GSIS, TU) Title: <i>Subgraph enumeration with zero-suppressed binary decision diagrams</i>	Masayuki Ohzeki 大関 真之 (Associate Professor, GSIS, TU) Title: <i>Sparse modeling - revolution on various measurements -</i>
16:30 – 17:00	Min Sun 孫民 (Assistant Professor, Dept. of Electrical Engineering, NTHU) Title: <i>Training a deep agent to see and interact</i>	Wei-Yu Chiu 邱偉育 (Assistant Professor, Dept. of Electrical Engineering, NTHU) Title: <i>Multiobjective Optimization and Its Applications</i>
Plenary Discussion (30 minutes)		
18:00 – 20:00 Banquet		
October 14, 2017		
8:30 – 9:30	Plenary General Discussions	