

Joint Workshop on National Taiwan University of Science and Technology and Tokyo Metropolitan University



1. Date and Time: Oct. 16th, 2017, 10:30~20:00

2. Venue: National Taiwan University of Science and Technology, IB-202

3. Time Table

10:30-12:00	NTUST Lab tour for TMU attendees	
13:00-13:10	Opening Remarks	Dean Tian-Hua Liu (NTUST), and T. Shimizu (TMU)
13:10-13:30	Introduction of National Taiwan University of Science and Technology	Yu-Chen Liu (NIU)
13:30-13:50	Introduction of Tokyo Metropolitan University	T. Shimizu (TMU)
13:50-14:10	Introduction of Research Center for Energy Integrity Systems	G. Totsukawa (TMU)
14:10-14:30	Grid-connected Inverter for micro-grid applications	Yaow-Ming Chen (NTUST)
14:30-14:50	Reliability Evaluation of CANs in High Electromagnetic Environment	R. Sato, S. Fukumoto (TMU), M. Ohara (TMITRI)
14:50-15:10	Recent research on improvements of smart grid and wireless sensor communications	M. Arai, S. Yokoyama (NU), M. Ohara (TMITRI)
15:10-15:30	A Novel Edge Termination Design for Superjunction VDMOS	Chih-Fang Huang (NTHU)
15:30-15:50	Coffee Break	
15:50-16:10	Improvement of surface acoustic wave filters for inverter multiplex transmission system	R. Nonaka, K. Wada, S. Goka (TMU)
16:10-16:30	Evaluation of the induced electric fields and leakage magnetic fields from wireless power transfer systems for EVs	N. Itoh, Y. Suzuki, and M. Taki (TMU)
16:30-16:50	Consideration on the singular linear equations of scalar potential finite difference method for dosimetry of human exposure to quasi-static electric fields	T. Yamamoto, Y. Suzuki, M. Taki (TMU)
16:50-17:10	1 MHz switching PWM inverter using GaN devices	H. Maeda, K. Wada (TMU)
17:10-17:30	A new power signature for non-intrusive load monitoring	Ryan Lian (NTUST)
17:30-17:50	Study on Electromagnetic Disturbance of Buck Chopper Circuit into Control Area Network Communications	R. Shirai, R. Matsuzaki, T. Shimizu (TMU)
17:50-18:00	Closing Remarks	Po-Tai Chen (NTHU) and S. Fukumoto (TMU)

4. Dinner Party