

Energy-Next Joint Workshop between Waseda University and CUHK 2016

Date: 14 Nov 2016 (Monday)

Time: 9:30 – 4:30pm

Venue: Morning: Room 121, Ho Sin Hang Engineering Bldg (SHB), CUHK
Afternoon: Room 222, Ho Sin Hang Engineering Bldg (SHB), CUHK

Time	Activity	Speaker	Venue
Seminars:			
9:45 – 10:00	Introduction to TGU Project and Research	Prof. Hiroyuki NISHIDE	SHB 121
10:00 – 10:15	Smart Solar Energy, a Report from the Hong Kong RGC Theme-Based Research Project	Prof. CP Wong	
10:15 – 10:45	Materials Design for Future Battery Anode	Prof. Toshiyuki MOMMA	
10:45 – 11:00	Coffee break	Representative from the Office of Academic Links (OAL) join for mingling	
11:00 – 11:30	New Paradigm in Electric Energy System	Prof. Hideo ISHII	
11:30 - 11:45	Totally Organic Polymer-based Bendable Battery Operating with Sodium Chloride Aqueous Solution	Kan SATO	
11:45 - 12:00	Maximizing Hosting Capacity of Distributed Generation by Network Reconfiguration in Distribution System	Yuji TAKENOBU	
12:00 - 12:30	Poster sessions:		
	Operando Impedance Analysis of Metallic Li Anode for Future Battery	Suguru MAEDA	
	Advanced Voltage Control Method of Voltage Regulators in Distribution Power Systems with Massive PV Generators	Kohei MURAKAMI	
	Hole Transporting Materials for a 1cm ² Perovskite Solar Cell	Shinichiro WATANABE	
	Size of poster board: 90 (W) x 185 (H) cm	Support staff: Akiko SUDA	
12:30 - 14:00	Lunch (SH Ho Staff Canteen)		
Seminars:			
14:15 – 14:40	Redox processes and design strategies for high-energy-density energy storage devices	Prof. Yi-Chun Lu (MAE)	SHB 222
14:40 – 15:05	Impact of the Uncertainty of Distributed Renewable Generation on Deregulated Electricity Supply Chain	Prof. Minghua Chen (IE)	
15:05 – 15:30	A Cooperative Framework for Operation and Planning of Interconnected Microgrids	Prof. Jianwei Huang (IE)	
15:30 – 15:55	Optimal Distributed Generator Placement in Microgrids	Prof. Angela Zhang (IE)	
15:45 – 17:00	<i>Campus Tour</i>	Prof. Minghua Chen and Miss Mandy Tse	
18:45 – 20:00	Dinner (Chung Chi College - Staff Common Room)		

Short Biography of Guests

Hiroyuki Nishide



Hiroyuki Nishide is a Professor at Department of Applied Chemistry, School of Advanced Science and Engineering, Waseda University, Tokyo, Japan. He received his PhD in 1975, and has been visiting researcher at Free University Berlin and Polytechnic University New York. He has conducted research in the field of syntheses and applications of functional polymers, recently focusing on the organic polymers for rechargeable batteries and photovoltaic cells. He has published more than 500 journal articles, and is Past-President of the Society of Polymer Science, Japan, of the Federation of Asian Polymer Societies, and of Japan Union of Chemical Science and Technology. nishide@waseda.jp

Toshiyuki Momma



Toshiyuki Momma is a professor of the Department of Applied Chemistry and Department of Nanoscience and Nanoengineering, Faculty of Science and Engineering, Waseda University. He worked at the University of Minnesota, USA, after getting the Ph. D from Waseda University. His research interests are in the fields of electrochemical energy devices and electrochemical methods. He is working on materials and device design of electrodes for rechargeable batteries. He is also interested in the improvement of electrochemical impedance spectroscopy, and currently working on the in situ electrochemical impedance analysis as non-destructive diagnosis of batteries. momma@waseda.jp

Hideo Ishii



Hideo Ishii joined Tokyo Electric Power Company (TEPCO) in 1988. He was a visiting scientist in the Massachusetts Institute of Technology from 1989 to 1991. He received his Ph.D. from the University of Tokyo in 1996. From 2010, he has been engaged in some major smart-grid-related National projects in Japan as an organizer. He is now a Professor with Advanced Collaborative Research Organization for Smart Society (ACROSS) at Waseda University. His current activities are in the field of Electric Energy System, especially related to Demand Response and integration of renewable energy resources. He has been the Chief Director of Japan ADR Association

since 2013.