2ND YNU-ACES WORKSHOP ON ENERGY RELATED MATERIALS AND DEVICES

Date: March 11th, 2017

Workshop venue: Kanagawa Kenmin Hall (Kanagawa Prefectural Hall), Conference Room

(http://www.kanagawa-kenminhall.com/access)

	(Progi	RAMME (TENTATIVE)			
09:00-	Opening remarks				
09:05		Yokohama National University	Prof. Masa Watanabe		
09:05- 09:20	Contributed talk: "Mixed salt systems for safe and stable Li and Na batteries"				
09.20		Deakin University	Prof. Maria Forsyth		
09:20- 09:35	Contributed talk: "Prototyping of beyond Li-ion battery technologies"				
09.33		BatTRI-Hub, Deakin University	Dr. Rob Kerr		
09:35- 09:50	Contributed talk: "Binary mixtures of pressurised CO ₂ and solvate ionic liquids (Li ⁺ -concentrated solutions) as unconventional electrolytes: Properties and Li battery applications" Yokohama National University Dr. Morgan L. Thomas				
09:50- 10:25	Invited talk: "Research Strategy for Next Generation Batteries in ALCA-SPRING Project in Japan"				
10.23		Tokyo Metropolitan University	Prof. Kiyoshi Kanamura		
10:25- 10:40	Coffee Break				
10:40- 10:55	Contributed talk: "Anodic C-C Bond Forming Reactions Using Parallel Laminar Flow Mode in a Flow Electrochemical Microreactor"				
		Yokohama National University	Prof. Mahito Atobe		
10:55-11:10	Contributed talk: "Highly reversible oxygen to superoxide redox reaction in a sodium containing ionic liquid"				
	-	Deakin University	Dr. Cristina Pozo-Gonzalo		
11:10-11:25	Contributed talk: "Solid electron	lytes for devices" Deakin University	Prof. Pat Howlett		
11:25-11:40	Contributed talk: "Homogeneous Tetra-PEG Network Containing Ionic Liquid Synthesized via Michael Addition Reaction and Its Application to Polymer Actuator"				
		Yokohama National University	Dr. Hisashi Kokubo		
11:40-11:55	Contributed talk: "TBA"	University of Wollongong	Dr. Jun Chen		
11:55-13:00		Lunch			
13:00-	"Student flash presentations	(5min/person)"			

16:20

	(1) "Oxygen Reduction Reaction in Highly Concentrated Electrolyte Solutions of Lithium Bis(trifluoromethanesulfonyl)amide/Dimethyl Sulfoxide", YNU, Ryoichi Tatara				
	(2) "3D air Carbon based cathode for rechargeable sodium-air battery", Deakin U, Yafei Zhang				
	(3) "Zn Electrochemistry in Ionic-Liquids based Electrolytes under Flow Environment for Redox Flow Battery Applications", Deakin U, Kalani Periyapperuma				
	(4) "Physicochemical Properties of Glyme-Na Salt Complex / Hydrofluoroether mixtures and Battery Application", YNU, Shoshi Terada				
	(5) "Electrolytes for Magnesium batteries", Monash U, Zheng Ma				
13:25- 13:35	"Q & A for talks (1) – (5)"				
13:35- 14:00	"Student flash presentations ((5min/person)"			
	(6) "Electrochemical synthesis of Mizuno	poly(3-hexylthiophene) in a flow	v microreactor", YNU, <u>Masatsugu</u>		
	(7) "Protic ionic salt derived mesoporous iron doped carbons as an efficient electrocatalyst for oxygen reduction reaction", YNU, Mahfuzul Hoque				
	(8) "Mesoporous Materials for Electrochemical Energy Storage", Monash U, Changlong Xiao				
	(9) "Electrochemical method to separate double layer capacitance, pseudcapacitance, and Faradic process on Pt/C", YNU, Yun Bao				
	(10) "Photostimulated Hydrogen generation on black silicon photocathodes", Monash U, Ahmed Halima				
14:00- 14:10	"Q & A for talks (6) – (10)"	A for talks (6) – (10)"			
14:10- 14:25	Contributed talk: "Biocompatible	e Batteries"			
	Ţ	University of Wollongong	Dr. Caiyun Wang		
14:25- 14:40	Contributed talk: "Solar Fuels: I	From Hydrogen to Ammonia"			
	N	Monash University	Prof. Doug MacFarlane		
14:40- 15:00		Coffee Break			
15:00- 15:35	Invited talk: "Hydrogen Energy: A Japanese Perspective"				
13.33	I	Kyushu University	Prof. Kazunari Sasaki		
15:35- 15:50	Contributed talk: "Group 4 and polymer electrolyte fuel cells"	5 metal oxides as precious-me	tal- and carbon-free cathodes for		
	1 , , , , ,	Yokohama National University	Prof. Akimitsu Ishihara		
15:50- 16:05	Contributed talk: "Advances in w	vater splitting catalysts"			
	N	Monash University	Dr. Sasha Simonov		
16:05-	Contributed talk: "Photoreduction Catalysts for hydrogen production"				

	J	Jniversity of Wollongong	Dr. Pawel Wagner		
16:20- 16:35	Contributed talk: "Solar Hydrogen Energy Storage Systems"				
		Applied Nano-Technologies	Dr. Noel Dunlop		
16:35- 16:50	Contributed talk: "TBA"				
		University of Wollongong	Dr. Attila Moser		
16:50- 16:55	Closing address				
10.55		Monash University	Prof. Doug MacFarlane		