

International Symposium on Frontier Power Systems

Graduate Sub-Program in Electrical Engineering and Energy for Improvement of Practical Abilities and Future Preparation

March 13-14, 2014 **Kumamoto University, JAPAN**

Contents

- Electric Power System
- Renewable Power System
- Pulsed Power System
- Discharge & Plasma System

General Chair Hidenori Akiyama (Kumamoto University) Hajime Miyauchi (Kumamoto University) **Vice Chair** Tomoaki Ikegami (Kumamoto University) **Program Chair Financial Chair** Takashi Sakugawa (Kumamoto University)

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Endorsed by

Kumamoto University Institute of Pulsed Power Science Computer Science and Electrical Engineering











International Symposium on Frontier Power Systems PROGRAM

March 13 (Thursday)			
13:00 Op	ening remarks	Prof. Hidenori Akiyama	
Renewable Power System		Chair Prof. Tomoaki Ikegami	
13:10 - 14:10	"From Oil to Solar for Susta (General Manager, Technolo Solar Frontier K.K., Japan)	inable Industry " Dr. Katsumi Kushiya ogy Strategy Planning Division, Showa Shell Sekiyu K.K.,	
14:10 - 14:20	Break		
14:20 – 15:00	"Development of Diagnostic (Department of Computer S	e Method of PV Module" Prof. Tomoaki Ikegami cience and Electrical Engineering, Kumamoto University)	
15:00 – 15:10	Break		
Power electr	onics	Chair Prof. Takashi Sakugawa	
15:10 – 16:10	"Smart Distribution Based of (School of Electrical Engine	n Microgrid Clusters" Prof. Arindam Ghosh ering and Computing, Curtin University, Perth, Australia)	
16:10 – 16:20	Break		
16:20 – 17:00		rer Modulator and It's Applications" Prof. Takashi Sakugawa cience and Electrical Engineering, Kumamoto University)	
March 14(Friday)			
Pulsed Powe	r System	Chair Prof. Akiyama	
9:30 – 10:30	"Solid State Pulse Modulator for a Medical LINAC System" (T/L, Senior Researcher, Advanced Medical Device Research Center, Korea Electrotechnology Research Institute (KERI), Korea)		
10:30 - 10:40	Break		
10:40 – 11:40		s a Key Technology for Industrial Applications" Prof. Luis Redondo Power Advanced Applications, Lisbon Engineering Superior Institute,	
11:40 – 13:00	Break		
Electric Pow	er system	Chair Prof. Hajime Miyauchi	
13:00 – 14:00	and Technical Aspects in Po	Renewable Energy Considering Economical wer Networks" Prof. Engin Karatepe ectronics Engineering Ege University, Izmir, Turkey)	
14:00 - 14:10	Break		
14:10 – 14:50		ation Investment Based on Utility Indifference Pricing" Prof. Hajime Miyauchi	
14:50 – 15:00	(Department of Computer S Break	cience and Electrical Engineering, Kumamoto University)	
Discharge and Plasma System Chair Prof. Sunao Katsuki			
15:00 - 16:00	"Agricultural and food pro	cessing applications of high-voltage and plasma technologies"	
	(Department of Electrical En	Prof. Koichi Takaki ngineering and Computer Science, Iwate University)	

Prof. Hajime Miyauchi

16:00 Closing remarks