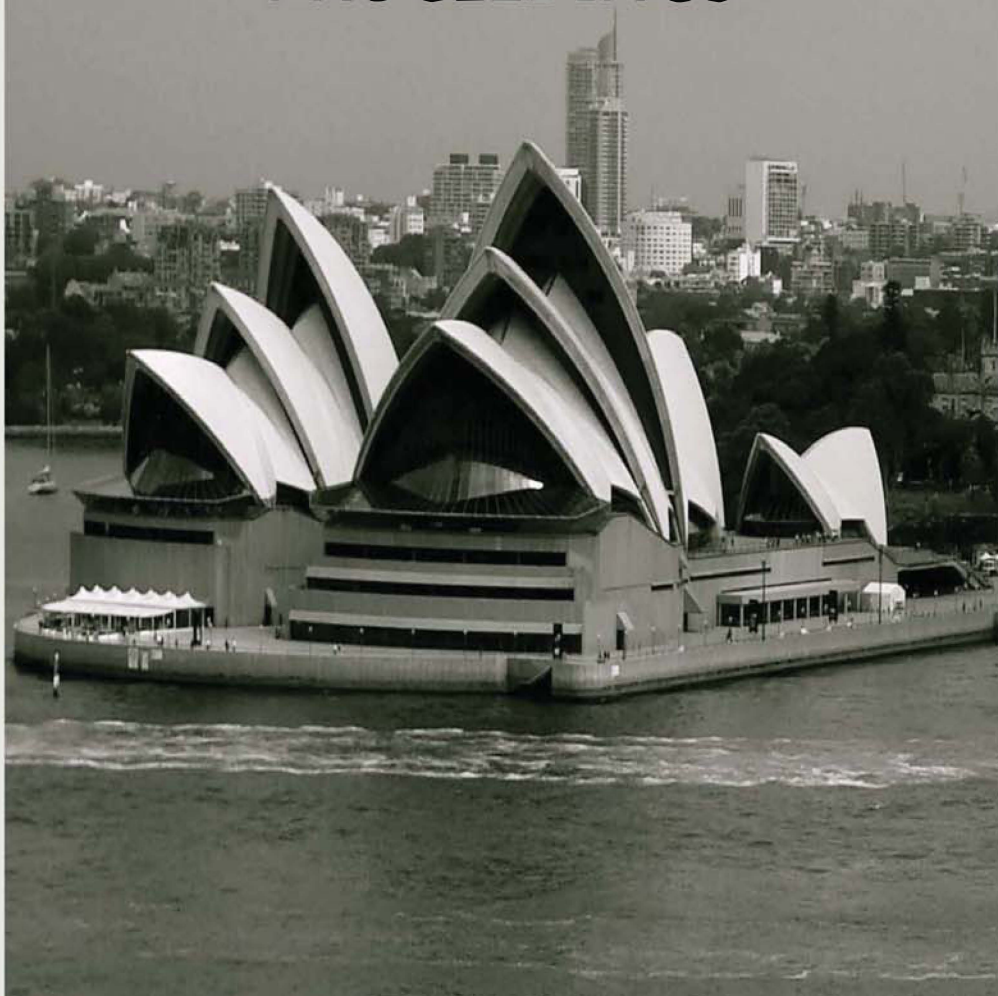


# **IEEE 2013 TENCON - SPRING**

**April 17th - 19th, 2013**

**Sydney, Australia**

## **CONFERENCE PROCEEDINGS**



**TENCON SPRING 2013**  
Sydney Australia 17-19 April 2013

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10:20 AM	SG02: <i>Smart Grid II</i>	SPCOMM01: <i>Signal Processing on Communications</i>	WC04: <i>Wireless Communications</i>	RE01: <i>Renewable Energy I</i>
12:20 PM		Lunch Break		
01:20 PM	GCCES01: <i>Grid Connected Converters and Energy Systems</i>	SPCOMM02: <i>Signal Processing on Communications</i>	WC05: <i>Wireless Communications</i>	RE02: <i>Renewable Energy II</i>
03:20 PM		Coffee Break		
03:40 PM		SPCOMM03: <i>Signal Processing on Communications</i>	WC06: <i>Wireless Communications</i>	Doctoral Workshop

Wednesday, April 17

**9:00 AM - 11:00 AM**

### Opening Ceremony & Keynotes

Room: Marble Room 2-3

**11:00 AM - 11:20 AM**

### Coffee Break

Room: Marble Room 2-3

**11:20 AM - 1:20 PM**

### MGDG02: Micro Grids and Distributed Generation

Room: Marble Room 1

Chair: Muhammad Mohsin Aman (University of Malaya, Kuala Lumpur Malaysia, Malaysia)

#### **11:20 Modeling and Simulation of a Microgrid Protection System with Central Protection Unit**

Taha Selim Ustun (Victoria University, Australia); Aladin Zayegh (Victoria University, Australia); Cagil Ozansoy (Victoria University, Australia)

#### **11:40 A Scalable Distributed Microgrid Control Structure**

Robert Webster (University of Sydney, Australia); Kumudu S Munasinghe (University of Canberra, Australia); Abbas Jamalipour (University of Sydney, Australia)

#### **12:00 Differential Protection of Microgrids with Central Protection Unit Support**

Taha Selim Ustun (Victoria University, Australia); Aladin Zayegh (Victoria University, Australia); Cagil Ozansoy (Victoria University, Australia)

## SPCOMM02: Signal Processing on Communications

Room: Marble Room 2-3

Chair: Meng-Yu Wu (Chunghwa Telecom Co., Ltd., Taiwan)

### **1:20 Design and Implementation of Cloud API Access Control Based on OAuth**

Tsern-Huei Lee (National Chiao Tung University, Taiwan); Meng-Yu Wu (Chunghwa Telecom Co., Ltd., Taiwan)

### **1:40 Quality of Experience Enhancement through Adapting Sender Bit Rate**

Safeen Qadir (University of Southern Queensland, Australia); Alexander A. Kist (University of Southern Queensland, Australia)

### **2:00 An Integrated Mobile Sensor Platform for Collaborative Indoor Self-Positioning Applications**

Yi-Chih Kuo (National Chung Hsing University, Taiwan); Ming-Yuen Hsiao (National Chung Hsing University, Taiwan); Chih-Yu Wen (National Chung Hsing University, Taiwan)

### **2:20 Time-Frequency and Time-Frequency-Rate Representations using the Cross Quadratic Spectrum**

Saman S Abeysekera (Nanyang Technology University, Singapore)

### **2:40 Evolutionary Programming Based Discrete Optimization To Solve Network Reconfiguration Problem**

Muhammad Mohsin Aman (University of Malaya, Kuala Lumpur Malaysia, Malaysia); Ghauth Jasmon (University of Malaya, Malaysia); Kanendra Naidu (University Malaya, Malaysia); A. B. Halim Abu Bakar (University of Malaya, Malaysia); Hazlie Mokhlis (Electrical Engineering Department, Malaysia)