

# ISAP2007 Second Call For Papers

**2007 ISAP Conference Theme:**

## ***Toward an Intelligent Grid with Distributed Resources***

### **Invitation**

It is our pleasure to invite you to attend the ISAP 2007 Conference. ISAP 2007 will focus on wide area system disturbances and monitoring, remedial actions and restoration, advanced power systems measurements, operations and planning in competitive environment with renewable energy and distributed resources. Employment of novel software technologies and other are in the special scope of the conference, but also intelligent approaches achieved with conventional computational techniques are sought. Papers reporting practical realization and application will have priority. A selection of the best papers in ISAP 2007 will be considered for publication in a special issue of the **International Journal of Engineering Intelligent Systems**. The authors are invited to submit electronic PDF files of the full papers in IEEE PES paper standard format not exceeding 6 pages before March 31 2007 to the conference web site <http://www.isap-power.org>

### **Location**

The conference will be held at the International Conference Hall of National Sun Yat-sen University which is situated in Hsitzuwan Beach of Kaohsiung City, Taiwan. About a 20-minute drive from the city centre this beach has great natural beauty and the lights of fishing boats embellish the sea that attracts large numbers of visitors, especially at night. Kaohsiung is the host city for the 2009 World Games. It is an ocean city, which is full of sunshine and is quickly acquiring the attributes of a modern, international metropolis. This bustling harbor city not only has a superb location and enchanting natural surroundings, but also friendly people who welcome visitors with the utmost warmth and hospitality. Taiwan is a natural gateway to and within Asia. Exotic culture, breathtaking scenery, priceless art and the entire range of Chinese cuisine make Taiwan an excellent destination for tourists.

### **Preferential Subjects**

#### **Power Generation Transmission and Distribution**

Intelligent Grid of the Future	On-line Monitoring and Diagnostics
Complex System Modeling and Simulation	Power System Security Assessment
Intelligent Optimization and Control	Market Simulations and Price Forecasting
Deregulation Energy Control	Load Forecasting
Substation and Distribution Automations	Distribution Systems Design and Reconfiguration
Power Plant Estimation and Control	Modeling Uncertainty & Risk in Power System Engineering

#### **Intelligent Techniques**

Hybrid Intelligent Systems	Combinatorial & Numerical Optimization
Data Mining and Pattern Recognition	Multi-Agent Systems
Computational Neuroscience	Fuzzy-Neuro-Evolutionary Hybrids
Game Theory	Particle Swarm and Heuristic Optimization
Evolutionary Intelligent Agents	Ant Colonies & Immune Systems
Molecular & Quantum Computing	

## **Plenary Session Speakers**

Prof. Lotfi A. Zadeh, UC Berkeley, USA  
President Tsu-Tian Lee, National Taipei University of Technology  
Prof. Hiroyuki Mori, Meiji University, Japan

## **Panel Sessions Organizers**

Prof. Chen-Ching Liu, Iowa State University, USA  
Prof. Vladimiro Miranda, INESC Porto, Portugal  
Prof. Stephen McArthur, University of Strathclyde, UK

## **Tutorial Sessions Speakers**

Prof. Kwang Y Lee, Pennsylvania State University, USA  
Prof. Kit Po Wong, Hong Kong Polytechnic University, Hong Kong  
Prof. Loi Lei Lai, City University, UK  
Prof. Seung-Jae Lee, Myongji University, Korea  
Prof. Jer-Guang Hsieh, National Sun Yat-sen University, Taiwan

## **ISAP Paper Award**

At the ISAP 2007, we welcome and will select the high quality papers for ISAP Paper Award program. The award program consists of cash award for the first author of each selected paper, certificate for all authors of the paper, and champion ceremony banquet.

## **Student Participation and Poster Contest**

Students working on research subjects consistent with the theme of the conference are highly encouraged to attend the ISAP and present their works. The ISAP2007 Technical Committee has proposed the ISAP Student Poster Contest for students. Students will present their ideas on a poster during the conference student poster session. A committee will be formed and grade the posters during the student poster session. The student poster contest consists of cash award and certificate for the authors of the best posters. Students can enroll the contest during the registration process.

## **Social Program and Technical Tour**

The local organizing committee has carefully arranged the related activities to provide conference attendants not only the platforms for exchanging technical expertise but also the chances for experiencing local cultures. These activities include:

- 1) Welcome Reception,
- 2) Technical tour to Taiwan Power Company Area Dispatch Control Center,
- 3) Conference Banquet,
- 4) Social Programs to Taiwan Indigenous Peoples Cultural Park, Light of Buddha Mountain, Kaohsiung Lioho Tourist Night Market, and Dream Mall.
- 5) Kaohsiung City Tour,
- 6) Taipei City Tour (Post-conference), and
- 7) Kenting National Park (Post-conference).

## Important Dates

Submission of full paper:	March 31, 2007
Author notification of acceptance:	June 30, 2007
Deadline for final manuscripts & early registration:	August 15, 2007

## Language

The official language of the conference is English.

## Conference Venue

International Conference Hall  
National Sun Yat-sen University  
Kaohsiung, Taiwan

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**Student Poster Contest Chair:** C. W. Liu

**Local Organizing Committee Co-Chairs:** C. T. Liu and C. H. Lin

**Conference Secretariat**

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**Web Site of the Conference:** <http://www.isap-power.org>