

Report on IEEE T&D Asia-SIEF 2009

1. Introduction

IEEE T&D Asia Conference, sponsored by IEEE PES T&D Committee, is dedicated to the presentation of new research developments in the practical application of electrical engineering methods and technology. The Seoul International Electric Fair (SIEF) is an exhibition of various electrical industries organized by Korea Electrical Manufacturers Association (KOEMA) with the purpose of securing investment partners. In 2009 SIEF was held jointly with IEEE T&D Asia Conference to create a great synergy and became IEEE T&D Asia-SIEF 2009.

IEEE T&D Asia-SIEF 2009 was held on October 26-30, 2009 in the Convention & Exhibition Center (COEX), located in downtown Seoul, Korea. The slogan of conference was 'A GREEN & SMART GRID.' This event provided an opportunity to showcase advanced electrical power equipment, exchange the latest research and technology, and to discuss international green growth policy. At the same time, KOTRA organized consulting desks to encourage international exports and Korea Electric Times organized a Job Fair 2009.

2. IEEE T&D Asia – SIEF 2009 programs

2.1. Preparations of programs

The main organizer, The Korean Institute of Electrical Engineers (KIEE), acquired the right to hold the IEEE T&D Asia conference in December 2007. In May 2008, the chairman and committee members of National Organization Committee (NOC) were selected.

Conference Chairman

Prof. Jong-Keun Park (Seoul National University)

National Organization Committee

Chairman : Prof. Young-Hyun Moon (Yonsei University)

Editor : Prof. Jae-Chul Kim (Soongsil University)

Co-Editor : Prof. Shinichi Iwamoto (Waseda University, Japan)

Treasurer : Prof. Chul-Hwan Kim (Sungkyunkwan University)

Mr. Ok-Bae Lee (Kepco)

Secretary : Prof. Seung-Il Moon (Seoul National University)

NOC selected a steering committee, sponsoring committee, advisory committee, academic committee, program committee, advertizing committee, editorial board and IPC members to prepare the IEEE T&D conference.



KOEMA established a memorandum of understanding (MOU) with the NOC committee to assist each other in organizing IEEE T&D Asia-SIEF 2009. KOEMA and NOC held regular meetings to decide program details and contents.

2.2 Main program

2.2.1 Welcome Reception

The Welcome Reception was held in the COEX Grand Ballroom at 6 pm on Oct. 26. It was sponsored by Korea Electric Power Data Network Co., LTD (KDN). The CEO of KDN, Do-Bong Jeon, delivered a congratulatory message. Over 100 VIPs and conference participants were in attendance.



2.2.2 Ribbon Cutting and Opening Ceremony

The IEEE T&D Asia–SIEF 2009 officially commenced with a ribbon cutting event held in COEX Jangbogo Hall at Oct. 27 from 11:10 to 13:00. The Secretary of Ministry of Knowledge Economy and the president of KIEE attended this event along with over 20 VIPs. Soo-Hyun Baek, the president of KIEE and Jong-Keun Park, the conference chairman, started the conference with their welcome speeches.



2.2.3 Plenary Session

A plenary session with international professionals took place after the opening ceremony. It included recent technical developments and visions presented by three renown professors.

- Smart Grid Applications to Electricity Infrastructure
: Prof. Mohammad Shahidepour (Illinois Institute of Technology, USA)
- The Global Vision and Path for Greener and Smarter Distribution Grid
: Prof. S.S.Venkata (University of Washington, USA)
- CO₂ Reduction in Japan from the Viewpoint of Power System Operations
: Prof. Shinichi Iwamoto (Waseda University, JAPAN)

2.2.4 Special / Oral / Poster sessions

On October 27-29, there were presentations by various professionals. The Special Session featured three categories.

Advanced data mining techniques for power system operation and planning
Session chair: Prof. Hiroyuki Mori (Meiji University, Japan)

Micro grid and power quality enhancement

Session chair: Dr. Hiroshi Asano (Central Research Institute of Electric Power Industry, Japan) and Prof. Byung-Moon Han(Myungji University)

Power IT

Session chair: Il-Kwon Yang (KEPRI)

During the Oral Session, 84 papers were presented in 11 categories. The poster session included 133 papers in 8 categories.



2.2.5 Banquet

A banquet was held on October 29th in the COEX Grand Ballroom, sponsored by Korea Electrical Manufactures Association & Power IT Standardization Forum, and chaired by conference secretary, Prof. Seung-II Moon. Over 300 participants joined this event which featured traditional Korean traditional music and dance.



2.2.6 Technical Tour

KOEMA organized tours of KDN, LS Industrial Systems, Hyosung, Hyundai Heavy Industry, and Korea Electric Research Institute, featuring factories with smart grid devices and extra high voltage equipments. Over 100 guests and buyers from foreign countries participated. Tour registration began one month prior to the event, and unfortunately there were more applications than could be accommodated.

2.2.7 Exhibition

KOEMA hosted SIEF 2009 at COEX from October 27th ~ 30th. 190 domestic companies and 20 foreign companies representing 12 countries exhibited products related to generation, transmission, distribution and smart grid. There were a total of 147,421 spectators at this event.



3. Concluding remarks

The IEEE T&D Asia – SIEF 2009 included 225 Koreans, 60 Japanese, 25 Chinese, 5 Iranians for a total of 340 registered conference participants. The Technical Program can be summarized as follows:

- Oral Session: 11 categories, 84 papers
- Poster Session: 18 categories, 133 papers
- Plenary Session: 3 presentations
- Special session: 3 categories, 21 papers
- Total: 238 papers (Korea: 90, Japan: 51, China: 30, Iran: 8, other: 60)

We would like to thank to all committee members, KOEMA, and our sponsors and volunteers for a successful IEEE T&D Asia – SIEF 2009.

Young-Hyun Moon