

Final Report

2011 IEEE Jordan Conference on Applied Electrical Engineering and Computing Technologies (AEECT)

The Institute of Electrical and Electronic Engineers (IEEE) and the University of Jordan organized the 2011 IEEE Jordan Conference on Applied Electrical Engineering and Computing Technologies (AEECT) in the Faculty of Engineering and Technology of the University of Jordan from 6 to 8/12/2011. The conference organizers are:

- IEEE – Jordan Section
- The University of Jordan
- Princess Sumaya University for Technology
- IEEE – Region 8

The conference was also supported by the following sponsors:

- Scientific Research Support Fund
- Philadelphia University
- UN Women
- Petra University
- Hashemite University
- Jordan Engineers Association

Opening Ceremony

The opening ceremony of the conference was under the patronage of His Excellency Eng. Basem Al-Rousan, the Minister of Information and Communications Technology. The opening ceremony was held on Tuesday 6/12/1011 at 9:00 am. The opening ceremony included the following:

- The Royal Anthem of the Hashemite Kingdom of Jordan
- Recitation from the Holy Quran
- Welcoming Remarks, Dr. Ibrahim Al-oqily
- Gheith Abandah Speech, General Chair, AEECT 2011
- Adel Al-Twaisy Speech, President, The University of Jordan
- Basem Al-Rousan Speech, Minister of Information and Communications Technology

Conference Theme and Participants

The theme of this conference is Technology for Solving National Problems. This theme is a symbolic reflection of the importance of electrical engineering and computing technologies in solving many problems that face Jordan and other countries. This international conference provided a unique forum to discuss practical approaches and state of the art findings in using these technologies to solve national problems related to energy, communications, management, health, business, and other areas.

The total number of conference participants is 235. There were 63 participants from outside Jordan from 25 different countries.

Papers

Fifty four papers were presented in the conference's 13 parallel technical sessions that were held on the three conference days in the three auditoriums of the Faculty of Engineering and Technology. Out of these 54 papers, 51 papers are technical papers and 3 papers are industrial papers. The presented 51 technical papers will be published on IEEE Xplore Digital Library. However, these 54 presented papers are among 65 papers that are included in the conference printed proceedings.

The conference has received 182 technical papers and 8 industrial papers. The full technical papers were reviewed by 3 or more expert peer reviewers and the abstracts of the industrial papers were reviewed by a committee of experts. The conference accepted 82 technical papers and 4 industrial papers.

Keynote Speakers

The conference has invited six keynote speakers on the following topics:

1. **Prof. Issa Batarseh**, President of Princess Sumaya University for Technology, *Solar Energy Conversion Technologies to Enable Smart-Grid Deployment*
2. **Prof. Longya Xu**, Director, Center of High Performance Power Electronics at Ohio State Uni., *Next Generation Wind Turbine*, was not delivered due to an accident.
3. **Prof. Ziyad Salameh**, Professor of Electrical and Computer Engineering at the University of Massachusetts Lowell, *Vehicle to Electric Grid (V2G) Technology*
4. **Prof. Mazen Abel-Salam**, Professor of Electrical Engineering Assiut University, *Efficient Electrical Power Transformers Diagnosis*
5. **Prof. Chris Guy**, Professor of Electronic Engineering at the University of Reading, UK, *The Future of the Internet*
6. **Prof. Ana Perez-Neira**, Vicerector for research at Technical University of Catalonia, *Spatial Spectrum Sharing in Wireless Communications*

Panel Discussions

The conference included the following two panel discussions:

1: Renewable Energy Policies and Regulations in Jordan

Moderator: Hisham Othman, VP Prof. Services, Petra Solar

Panelists:-

- Ahmad Hiasat, Chairman, Energy Regulatory Commission
- Ghaleb Maabra, Managing Director, National Electric Power Company
- Ghaleb Summak, CEO, Kingdom Electricity Company
- Shukri Halabi, CEO, Millennium Energy
- Hanna Zaghloul, CEO, Kawar Energy

2: The Potential of Electronic Industry in Jordan: Reality or Myth

Moderator: Loay Khalaf, the University of Jordan

Panelists:-

- Zaid Ayoub, JTronix, IrisGuard
- Basem Khateeb, KADDB
- Firas Madi, Controcom/BCI

Social Program

Under the patronage of His Excellency Prof. Adel Al-Twaisy, President of The University of Jordan the Gala Dinner was held in Amman Marriot Hotel in Wednesday 7/12/2011. The patron handed out honorary shields to the keynote speakers, sponsors, and organizing committee. The dinner included an entertainment program of Jordanian Dabkah dance and oriental music. Around 170 persons attended this dinner.

A trip to the Dead Sea was carried out on the third day, Thursday 8/12/2011. A total of 123 participants joined this trip to the Dead Sea Movenpick and 50 of them enjoyed swimming in the hotel pools and applied some of the Dead Sea mud.