



Jordan Engineers Association



# CALL FOR PAPERS

# JIEEEEC 2011

## The 7<sup>th</sup> Jordanian International Electrical and Electronics Engineering Conference



**April 11-14, 2011**

**Grand Hyatt Amman Hotel**

**Amman, Jordan**



**IEEE**

**IET**

Collective Inspiration

# The 7<sup>th</sup> Jordanian International Electrical and Electronics Engineering Conference (JIEEEEC 2011)



## CALL FOR PAPERS

It is a great pleasure to invite you to submit your papers for the 7<sup>th</sup> Jordanian International Electrical and Electronics Engineering Conference, (JIEEEEC 2011), which will be held in Amman, Jordan, from 11 - 14 April 2011. The Executive Committee is gathering a large number of local and international volunteers and participants to make this conference a great success and most enjoyable. The conference committees will set up a high-quality technical program and an exciting social program that will allow you to have a memorable stay in Jordan, to explore Petra, Wadi Rum, the Dead Sea, Jerash and other historical and touristic places all over Jordan, which enchants thousands of visitors each year. You are invited to mark this event on your calendar and to make your plans for taking part in the program.

JIEEEEC 2011 is organized by Jordan Engineers Association (JEA) in cooperation with the Institution of Engineering and Technology - The IET-Jordan and The Institute of Electrical and Electronics Engineers - The IEEE - Jordan section.

### Organizing Committee

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#### General Vice Chair

- Moussa Habib, Princess Sumaya Uni.

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- Ahmad Nuseirat, IUST, Syria
- Sadeq Hamed, University of Jordan
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- Ahmad Musa, Al-Hussein Bin Talal Uni.
- Wijdan Al-Rabadi, IET, Jordan
- Mahmoud Fararjeh, Consolidated Cons.
- Abed-Al-Fatah Dradkah, NEPCO-Cigre

### Conference Secretary

- Moath Haimour [elect\\_conf@jea.org.jo](mailto:elect_conf@jea.org.jo)



IEEE



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### Technical Program

- Technical Symposia - providing numerous technical sessions with papers presenting the latest technical advances through peer-reviewed paper sessions. Prospective authors are invited to submit original technical papers for presentation at symposia and publication in the Conference proceedings for one of the following Symposium list:
  - Symposium on Communications
  - Symposium on Electronics and Biomedical Engineering
  - Symposium on Computer Engineering
  - Symposium on Power, Machines and Control
- Tutorials - offering education for keeping up with new and emerging topics essential to today's engineering and technology environment.
- Workshops - with specialized focus on the latest breakthroughs in the fields of technical symposia technologies in an environment that encourages discussion and debate.

### Submission Guidelines

JIEEEEC 2011 accepts only novel, previously unpublished papers in the areas of the conference technical symposia. Prospective authors are encouraged to submit a PDF file of a full paper following the IEEE single-space, two-column format using at least 10 point size type. Please use only standard fonts such as Times Roman, Courier, Symbol, and Helvetica. The IEEE LaTeX and Microsoft Word templates, as well as related information, can be found at the IEEE website. Manuscripts should not exceed 6 pages in size including all text, figures, tables, and references.

Paper submission is managed through EDAS: <http://edas.info/newPaper.php?c=8551>

All papers must be submitted in PDF format. Submission of a paper should be regarded as an undertaking that, should the paper be accepted, at least one of the authors will register for the conference and present the work.

#### Important Dates

Complete Paper submission due: 31 August 2010

Acceptance Notification: 15 December 2010

Camera-ready due: 31 January 2011

#### Exhibition (EXPO)

- Keynote Forum - where top industry leaders share their visions and experiences, and challenge us in exciting new technologies.
- Exhibits - where major vendors and service providers have the opportunity to display

## ***TPC Symposium on Communications***

### ***- Symposium Chair***

**Ahmed Almanasreh, Amman University**

**[manasreh@sanadii.com](mailto:manasreh@sanadii.com)**

- Abdulkareem Bayati, Jordan
- Ahmed Atieh, Canada
- Bassam Harb, Jordan
- Carles Anton - Haro, Spain
- Fan Wang, USA
- Jihad Ababneh, Jordan
- Julián Fernández-Navajas, Spain
- Mahmoud Smadi, Jordan
- Mansour Abbadi, Jordan
- Marwan Krunz, USA
- Mohamed Abdelazeez, Jordan
- Mohammad Z. Siam, Jordan
- Mohammed Bataineh, Jordan
- Mustafa Abushagur, USA
- Nidal Nasser, Canada
- Saad Bashir, Sudan
- Salah Bourennane, France
- Saleh Aljazzar, Jordan
- Sami Muhaidat, Canada
- Satyajeet Ahuja, USA
- Shuguang Cui, USA
- Suhaidi Hassan, Malaysia
- Tao Shu, USA
- Turgay Korkmaz, USA

## ***TPC Symposium on Computer Engineering***

### ***- Symposium Chair***

**Ahmad Nuseirat, IUST**

**[anuseirat@iust.edu.sy](mailto:anuseirat@iust.edu.sy)**

- Abdul-Halim Jallad, Jordan
- Aladin Zayegh, Australia
- Amer Zerek, Libya
- Faysal Al-Abbas, Syria
- Gaber A. Elsharawy, Egypt
- Ghassan Fallouh, Syria
- Jaafar Al-Kheir, Syria
- Mehdi Shadaram, USA
- Mohamad Nawar Al-Awa, Syria
- Mohamed Fezari, Algeria
- Nizar Al-Holou, USA
- Radimír VRBA, Czech
- Salah Bourennane, France
- Salim Hariri, USA
- Sherif Abdelwahad, USA
- S. O. Bashir, Sudan
- Zdeněk SMĚKAL, Czech

## ***TPC Symposium on Electronics and***

### ***Biomedical Engineering***

#### ***- Symposium Chair***

**Moussa Habib, Princess Sumaya Univ.**

**[moussa@psut.edu.jo](mailto:moussa@psut.edu.jo)**

- Abd Allah S. Ahmed, Egypt
- Abo Bakr M. Youssif, Egypt
- Denis Noble, UK
- Didier Wolf, France
- Ewart Carson, UK
- Fatima Labeed, UK
- Francois Guillemin, France
- lead Rezek, UK
- Irving Bigio, USA
- Jerome Mertz, USA
- Juan José P. Ybarra, Mexico
- Lina Bolotine, France
- Mahmoud Iskandarani, Jordan
- Michael Brady, UK
- Mike Hughes, UK
- Mohammad Nazih, KSA
- Murat Canpolat, Turkey
- Muriel Barberi, France
- Patrick Regan, UK
- Salim Ghoussani, UK
- Simon Doran, UK
- Stephen Payne, UK
- Walter Blondel, France
- Zuheir Marmar, Syria

## ***TPC Symposium on Power, Machines and Control***

### ***- Symposium Chairs***

**Sadeq Hamed, University of Jordan**

**[hamed@ju.edu.jo](mailto:hamed@ju.edu.jo)**

**Fawwaz Elkarmi, Amman University**

**[fkarmi@ammanu.edu.jo](mailto:fkarmi@ammanu.edu.jo)**

- Ahmad Jammal, Lebanon
- Akhtar Kalam, Australia
- Ali Akbar Afzalian, Iran
- Hisham Hamdan, Jordan
- Hussien Almajaly, Jordan
- Khalil El-Arroudi, Libya
- K. Vaisakh, India
- Lamyia Al-Chalabi, Jordan
- Othman AlNatheer, KSA
- Sahib R. Alwash, Jordan
- Shahid Abbaspur, Iran

## ***Symposium on Communications***

- Ad Hoc, Sensor and Mesh Networking
- Communication Theory
- Communications Quality of Service, Reliability, and Performance Modeling
- Communications Software and Services
- Computer and Communications Network Security
- Next Generation Networks, Protocols, and Services
- Optical Networks and Systems
- Digital Signal Processing
- Wireless Communications
- Wireless Networking
- Other Selected Areas in Communications

## ***Symposium on Computer Engineering***

- Compilers and Algorithms
- Artificial Intelligence and Expert Systems
- Robotics and Neural Networks
- Computer-aided Design/manufacturing
- Computer and Network Security
- Computer Architecture and VLSI
- Computer Graphics, Modeling
- Computers and Education
- Computing Practice & Applications
- Data Mining and Knowledge Discovery
- Human-Computer Interface & Visualization
- Pattern Recognition and Multimedia Applications
- Operating and Distributed Systems
- Parallel Processing
- Software Engineering and CASE

## ***Symposium on Electronics and Biomedical Engineering***

- Microelectronics
- VLSI
- Optoelectronics and Semiconductor
- Nanotechnology
- Biomedical signal processing
- Medical imaging
- Speech processing
- Cardiovascular systems
- Physiological Measurements
- Biosensors
- Selected topics in biomedical engineering

## ***Symposium on Power, Machines and Control***

- Electric Transport
- Generation, Transmission and Distribution
- Machines and Drives
- Power Electronics
- Renewable Energy Systems
- Electric Power Systems
- Operation and control
- Protective Relaying and protection