# 2015 IEEE Jordan Conference on Applied Electrical Engineering and Computing Technologies (AEECT)

**November 3-5, 2015, The Dead Sea, Jordan**
http://ewh.ieee.org/conf/aeect

AEECT 2015 is a listed IEEE conference and is the third of a series of conferences organized by the IEEE – Jordan Section. This year, AEECT is jointly organized with Princess Sumaya University for Technology (PSUT). It provides a unique forum to discuss practical approaches and state of the art findings pertinent to applied electrical engineering and computing technologies.

AEECT 2015 will include keynote addresses, panel discussions, tutorials, exhibitions, regular papers and poster sessions. All papers will be peer reviewed by at least three reviewers based on full paper submission. Accepted papers will be published in the AEECT 2015 proceedings and the presented regular papers will be submitted for inclusion to IEEE Digital Xplore. Authors of selected papers will also be invited to prepare extended papers of their work for publication in a collection of specialized journals.

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**Volunteers Coordinator & Web admin**
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The AEECT 2015 topics include, but are not limited to:

**1) Biomedical Engineering**
- Biomedical signal & image processing
- Biomedical instrumentation & biosensors
- Biomedical systems modeling
- Micro & nano-technologies in medicine
- Wearable & implantable devices
- Medical informatics
- Telemedicine
- Biomechanics & biomaterials

**2) Communications and Electronics**
- Wireless and mobile communications
- Digital signal processing
- Cooperative communications
- Coding theory and practice
- Satellite and optical communications
- Smart grid communications
- Analog and digital electronic circuits
- VLSI
- Material science and nanotechnology
- Microelectronics modeling and fabrication

**3) Computer Eng. and Networks**
- Computer architecture
- Concurrent, distributed & parallel processing
- Operating systems
- Robotics and human computer interaction
- Security and privacy
- Computer networking
- Wireless networking and computing
- Sensor and ad-hoc networks

**4) Control and Mechatronics**
- Control methods and systems
- Modeling and identification
- Mechatronic system design
- Mechanic-computer integration
- Manufacturing methods
- Automation
- Instrumentation
- Intelligent systems
- Robotics
- Unmanned vehicles

**5) Education in Engineering/IT**
- Entrepreneurship and leadership education
- Online learning
- Project based learning
- Professional accreditation and licensing
- Quality control in engineering/IT education
- Curricula development
- Student evaluation and assessment
- Multi-disciplinary capstone courses
- Links to the industry in the education process

**6) IT Applications and Systems**
- Algorithms
- IT services and internet and web apps.
- Arabic language processing
- E-government/e-governance applications
- Artificial intelligence
- Smart grids and smart cities
- Cloud computing and applications
- Big data and social networks
- E-business and e-commerce
- IT in health, environment, & agriculture

**7) Power and Energy Systems**
- Power and energy system applications
- High voltage engineering
- Electrical machines & industrial drives
- Power quality and reliability
- Power electronics systems, control, & apps.
- Renewable energy systems and sources
- Distributed generation, smart and micro-grid
- Energy management and energy efficiency

**Important Dates**

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| Paper Submission Deadline | Jun 25, 2015 -> Extended to Jul 31, 2015 |
| Notification of Acceptance | Sep 10, 2015 |
| Final Submission and Author Registration Deadline | Oct 8, 2015 |
| Attendee Early Registration Deadline | Oct 22, 2015 |
| Conference Dates | Nov 3 – 5, 2015 |

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**The Dead Sea** is a salt lake which surface and shores are 427 meters below sea level, Earth's lowest elevation on land. The Jordanian side of the Dead Sea has many modern hotels, resorts and convention centers. In November, you can enjoy a warm, effortless floating in the Dead Sea. AEECT 2015 is held in the Dead Sea Mövenpick Resort & Spa.