



Sousse–Tunisia, Oct. 31–Nov 02, 2009

## 3rd International Conference on Electrical Engineering Design & Technologies

[www.journal.esrgroups.org/jes/iceedt](http://www.journal.esrgroups.org/jes/iceedt)

The 3rd International Conference on Electrical Engineering Design and Technologies (ICEEDT'09) will be held on **Oct. 31- Nov. 02, 2009** in Sousse, Tunisia. The conference provides a forum for researchers from academe and industry to present their original work and exchange ideas and informations. The official language of the conference is English. Papers are peer reviewed. All accepted papers must be presented at the conference and will be published in the conference proceedings. The abstracts will be indexed in major academic databases.

**Special Sessions :** Persons wishing to organize a special session should email a proposal to [jes@jes.esrgroups.org](mailto:jes@jes.esrgroups.org) by **March 31, 2009**. Proposals should include a session title, a list of the topics covered, and the qualifications and brief biography of the session organizer. A minimum of five papers must be registered and fully paid in order for this session to be included in the conference program.

### Journals:

Expanded and enhanced versions of papers published in the conference proceedings can also be considered for inclusion in one of the ICEEDT'09 sponsor journals.

### Paper Submission:

Prospective authors are invited to submit electronically their full papers in MS or pdf format to: [jes@jes.esrgroups.org](mailto:jes@jes.esrgroups.org) or [iceedt@gmail.com](mailto:iceedt@gmail.com)

### Important Dates:

**Marsh 31, 2009:** Deadline for submission of proposals for Special Sessions, keynotes and tutorials.

**May 31, 2009:** Deadline for submission of full-length papers for Regular Sessions and Special Sessions.

**July 15, 2009:** Acceptance/Rejection notification for regular papers.

**August 30, 2009:** Final camera-ready papers due in electronic form and registration.

## Technical Topics

**Control Systems Engineering:** Control of Uncertain Systems, Cooperative Systems and Control, Discrete Event Systems and Petri Nets, Distributed Intelligent Systems, Fault Monitoring and Diagnosis, Intelligent Transportation Systems, Manufacturing Systems & Automation, Mechatronics, Aeronautic systems, Micro and/or Nano Systems, Robotic Systems.

**Signal and Image Processing:** Digital signal processing theory, methods, DSP implementation, estimation and identification techniques, application of specific ICs, image and multidimensional processing, pattern recognition, computer vision, real-time multimedia signal processing.

**Computer Engineering:** Computer science, Computer Architecture, computer networks, computer engineering, Software Engineering, Visualization and Computer Graphics, Bioinformatics, Web Technologies.

**Measurements and Sensors:** Intelligent sensors/actuators, sensor matrix, micro-sensors and micro-actuators, micro-electromechanical systems (MEMS), systems on chip (SoC), wireless microsystem and microsensor interfaces, microsystem applications Computational Intelligence and Control Artificial intelligence, knowledge-based systems, automatic control, biomedical engineering.

**Telecommunication and Multimedia Systems:** Communication theory, communication systems, communication networks, wireless communication, information and communication technologies, multimedia systems.

**Photonic:** Photonics theory, optical communications, optical sensing, superconducting RF accelerator technology, x-ray optics, photonic optical fibers, terahertz imaging, DWDM transmission, semiconductor photonics, photonic metrology, plasma accelerators, laser technology and applications.

**Power Systems and Power Electronics :** Power systems planning, operation and transmission, Distribution networks, Distributed generation, stability, protection, reliability. Economics. Power electronic application to power systems: DFIG and permanent magnet generators, energy storages, Power electronics converters, modulations techniques power electronic drives, fuel cell power sources, FACTS, UPQC, STATCON, voltage restorers, HVDC, PEEB, SVC, UPS, Variable speed power generation, micro turbines, alternative energy sources, grid interfaces

**Electrical Machines and Drives:** Neuronal controllers, sensorless control, motion control, permanent magnet motor drives

**Electron Devices:** New semiconductor materials, power semiconductor devices, Computer aided design, VLSI Design and CAD

**Modeling and Simulation:** Methodology, tools, modeling and simulation in engineering, modeling and simulation in education, modeling and simulation in medicine, modeling and simulation in logistics, industrial applications of modeling and simulation

**Education:** New development approaches for electrical engineering education, software, hardware, e-learning technologies

The above listed topics do not exclude submission and presentation of papers from other specific fields close to or related to the general theme of the Conference.