

# 2011 IEEE GCC Conference & Exhibition

*"For Sustainable Ubiquitous Technology"*

19-22 February 2011

Grand Hyatt Hotel, Dubai, United Arab Emirates



THE 6TH IEEE GCC CONFERENCE & EXHIBITION

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The 2011 IEEE GCC Conference and Exhibition is the 6<sup>th</sup> in a series and will be held during 19-22 February, 2011 in Dubai, the United Arab Emirates. The conference will provide a forum for professional engineers, scientists and academics engaged in research and development to convene and present their latest scholarly work and applications in industry. It will also provide engineers with an opportunity to interact and share their experiences in technology applications. New developments in industry and their benefits to the GCC countries will be highlighted. The conference will run for four days and will be accompanied by a comprehensive industrial exhibition. Diverse tutorial sessions will be held on the first day of the conference. Papers are invited in all areas of electrical and electronic engineering with a focus on the following technical and application areas:

<b>Power and Energy</b>	<b>Control</b>
Power systems	Industrial instrumentation and control
Protection and distribution	Mechatronics and robotics
Electrical energy and demand side management	Sensor fusion
High voltage	Distributed control systems
Electrical insulation	Intelligent control systems
Electric machines	Fractional dynamics and control
Power electronics and drives	Chaos and control
Renewable energy systems	System identification
<b>Computing and IT</b>	<b>Communications</b>
Software engineering	Wireless and mobile communications
Computer architecture	Digital communications
Computer networks and distributed systems	Optical communications
Internet and web technologies	Reliability and performance modelling
Data security and information assurances	Next generation communication networks
Artificial intelligence and multi agent technologies	Electromagnetics, antennas and propagation
Database and data mining systems	Channel coding and modulation
Computer security	OFDM systems
Quality of services and performance management	Ad Hoc and sensor networking
Service oriented architectures	Multi-channel processing
Web-based collaboration and communities	Broadband networks
Ubiquitous computing	Multimedia Communications
Ontologies and the semantic web applications experiences	Remote sensing
<b>Electronics</b>	<b>Signal Processing</b>
Nanotechnology	Audio/speech processing and coding
Embedded systems	Image/video processing and coding
VLSI design and systems	DSP implementation
Medical electronics	Digital filters
Non-destructive testing and evaluation	Time-frequency/Time-scale analysis
Smart/Intelligent Buildings	Watermarking and information hiding
Avionics	Parallel and distributed processing
RF technologies	Machine learning in signal processing
Analogue circuits and systems	Analogue and mixed signal processing
Optoelectronics	Radar and sonar signal processing
<b>Engineering Education</b>	<b>Industrial Technology Applications</b>
Continuing professional development	Technical papers from industry that address technology applications and solutions
Curriculum development and assessment	Only two pages abstract and Power Point presentation are required.
Innovation and good practice	
Advanced learning technologies	

### Submission Guidelines

Prospective authors are invited to submit papers based on their original work not exceeding 4 pages in length for full papers and 2 pages for industrial technology papers using the format provided on the conference website. We also encourage submissions of proposals for tutorials and special sessions. Details on the submission procedure are available on the main conference website:

<http://www.ieeegcc.org>

All submitted papers will be peer-reviewed. The accepted papers will be published in the conference proceedings, which will be available during the conference. During the closing ceremony, best paper awards will be presented in three categories: Student, Academia, and Industry. Full papers will also be published in the IEEE Xplore.

### Important Deadlines

<b>Submission of full papers:</b>	<b>September 20, 2010</b>
<b>Submission of industrial technology papers:</b>	<b>September 20, 2010</b>
<b>Submission of tutorial and special session proposals:</b>	<b>August 30, 2010</b>
<b>Acceptance notification:</b>	<b>November 8, 2010</b>
<b>Camera ready Submission &amp; author registration:</b>	<b>November 29, 2010</b>

### Contact Details

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