

4th IEEE-GCC 2007



“Towards Techno-Industrial Innovations”

11-14 November 2007

Gulf International Convention and Exhibition Centre
Manama, Kingdom of Bahrain

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Call for Papers

The 4th IEEE-GCC Conference will be held during November 11-14, 2007 at the Gulf International Convention Centre. 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 engineering with a focus on the following technical and application areas:

Electric Power and Control

Power System and Power Quality
Electrical Energy & Demand Side Management
High Voltage and Electrical Insulation
Power Electronics and Drives
Renewable Energy systems
Industrial Instrumentation and Control
Mechatronics and Robotics
Sensor Fusion
Intelligent Control Systems

Communications and Signal processing

Wireless and Mobile Communications
Digital Communications
Optical Networks
Electromagnetics, Propagation and Antennas
Information Theory and Coding
Digital Signal Processing and Applications
Speech, Image and Video Processing

e-applications

Service Oriented Architectures
Web-based collaboration and communities
Ontologies and the semantic web
Applications experiences

Industrial Technology Applications

Technical reports from industry that address technology applications and solutions. Only abstracts are required.

Computer Engineering

Software Engineering
Computer Architecture
Computer Networks
Internet and Web Technologies
Data Security and Information Assurances
Artificial Intelligence
Database and Data Mining Systems
Computer Security
Quality of Services and Performance Management

Electronics

Nanotechnology
Embedded Systems
VLSI Design and Systems
Biomedical Engineering
Nondestructive Testing and Evaluation
Smart/Intelligent Buildings

Engineering Education

Assessment
Continuing Professional Development
Curriculum Development
Global partnerships
Innovation and good practice
Advanced Learning Technologies

Prospective authors are invited to submit full papers based on their original work not exceeding 5 pages in length using the format provided on the conference website. We also encourage submissions of proposals on tutorials and sessions on special topics.

Important Deadlines

Submission of tutorial proposal:

April 5, 2007

Submission of full paper:

April 15, 2007

Submission of abstract for industrial applications:

April 15, 2007

Acceptance Notification:

June 15, 2007

Camera ready Submission:

September 15, 2007

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*. Selected papers will also be published in one of the following indexed journals:

1. Computers & Electrical Engineering by Elsevier
2. International Review of Electrical Engineering by Praise Worthy Prize
3. International Review on Computers and Software by Praise Worthy Prize



All inquiries on the technical program, tutorials and special sessions should be directed to the Technical Committee Chair hnashash@ieee.org.

Conference Secretariat and General Queries:

4th IEEE-GCC Conference Secretariat

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