

CALL FOR PAPER

“Solutions for a Smarter Economy”

The 9th IEEE-GCC conference is jointly organized by the IEEE sections of Saudi Arabia and Bahrain. The conference will be held at Bahrain Gulf Conference and Exhibition center 6th to the 9th of November 2016.

The conference provides a forum for discussions among professionals from industries, academia and research institutions. The conference offers an excellent opportunity for scientists, innovators, and engineers to interact, share experiences and present their latest research with peers in a multidisciplinary engineering background. This conference also includes tutorials and workshops as well as an industrial exhibition. The tutorial sessions will be held on the first day of the conference. Special industrial track is also included. Moreover, this conference will feature a graduate and an undergraduate student special session.

Papers are invited in all areas of Computing, Electrical and Electronics Engineering and include tracks focusing on (but not limited to) the following topics:

1. Energy and Power Systems:

- 1.1 Energy Efficiency
- 1.2 Power System Quality
- 1.3 Energy and Demand Side Management
- 1.4 Renewable Energy
- 1.5 Power System Protection
- 1.6 Smart Grid & Micro Grid

2. Computing and IT:

- 2.1 Big Data Management
- 2.2 Cyber security
- 2.3 Cloud Computing
- 2.4 Parallel and Distributed Processing
- 2.5 Social Media
- 2.6 Computer Networks
- 2.7 Internet of Things (IOT)
- 2.8 Reconfigurable Computing

3. Electronics & Instrumentation:

- 3.1 Nanotechnology
- 3.2 Embedded systems
- 3.3 Analog and Digital VLSI design
- 3.4 Biomedical Engineering
- 3.5 Sensors and Sensor Systems
- 3.6 Avionics & Automobile Electronics
- 3.7 Non-destructive Testing and Evaluation

4. Control & Automation:

- 4.1 Security, Process Control and Optimization
- 4.2 Instrumentation Control & Asset Management
- 4.3 Robotics and Artificial Intelligence
- 4.4 Dynamic Modeling and Adaptive Control
- 4.5 Plants Automation and Industrial Informatics
- 4.6 Smart Intelligent Buildings
- 4.7 Electric and Hybrid Vehicles

9. Women in Engineering (WIE)

This track is intended to promote, inspire & empower women as STEM leaders. It is open to women who are conducting research or professional activities, and wish to share ideas and experiences. Submissions can cover any topic mentioned in the above conference tracks.

5. Communications & Signal Processing:

- 5.1 Wireless Communications & Networks
- 5.2 Optical Communications Technologies
- 5.3 Electromagnetic Propagations & Antennas
- 5.4 Digital Signal Processing
- 5.5 Images and Videos Processing
- 5.6 Cognitive radio

6. Engineering Education & Development:

- 6.1 Ethics and Soft Skills
- 6.2 Advanced Teaching & Learning Technologies
- 6.3 Continuing Professional Educations
- 6.4 Role of Industry in Engineering Development
- 6.5 Role of Research in Knowledge Economy
- 6.6 Industrial Challenges & Applications

7. Economics and Business Engineering :

- 7.1 Business Process Engineering.
- 7.2 Financial Engineering Economy
- 7.3 Supply Chain Management
- 7.4 Decision Analysis and Methods
- 7.5 Operation Research
- 7.6 Modeling and Simulation

8. Industrial Track (abstracts only)

- 8.1 Power System Automation Protection
- 8.2 Renewable Energy & Energy Efficiency
- 8.3 Electrical law/ Deregulation/ Restructuring
- 8.4 SMEs on Power and Communication Sectors
- 8.5 Communication & Computing Technologies
- 8.6 Digital Oil Field & Artificial Lifting
- 8.7 Asset Management & Predictive Maintenance

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All details on submission procedures are available on the main conference website: www.ieee-gcc.org. Paper submission is done through EDAS: <http://edas.info/19583>. All submitted papers will be peer-reviewed. The accepted papers will be published in the conference proceedings. Accepted papers will be indexed into IEEE Xplore digital library. Moreover, special issues of the International Journal of Services and Operations Management (IJSOM), Journal on Advances in Signal Processing, International Journal of Computer Applications in Technology & International Journal of Computing and Digital Systems will consider selected papers for publication. The conference will have special student poster sessions. During the closing ceremony, best paper awards will be presented in three categories: student, academia and industry. All inquiries on the technical program, the tutorials and the special sessions should be directed to the technical committee chair (email: info@ieee-gcc.org)

Conference Secretariat and General Queries:

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Important Deadlines

Submission of Tutorial/special sessions	March 1, 2016
Submission of full manuscript	May 15, 2016
Acceptance notification	July 31, 2016
Camera ready submission	September 30, 2016