



THE 9th IEEE GCC CONFERENCE & EXHIBITION

Manama, Bahrain :: 6-9 May 2017

Conference Theme :: Solutions for a Smarter Economy



CALL FOR PAPER

The 9th IEEE-GCC Conference is jointly organized by the IEEE Sections of Saudi Arabia and Bahrain, at Bahrain Gulf Conference & Exhibition Center. *It is now scheduled for 6-9 May 2017.*

The conference provides a forum for discussions among professionals from industry, academia and research institutions. It offers an excellent opportunity for scientists, innovators and engineers to interact, present their experience and share latest knowledge with peers in a multidisciplinary engineering background. Tutorials on the first day and exhibitions on all days are major attractions of this conference. Also included are special industrial track and a Women in Engineering session. Papers are invited in all areas focusing on (but not limited to) the following topics.

This is an IEEE Approved Conference (Ref. #36861). All submitted papers will be peer-reviewed. Accepted papers will be published in the IEEE Conference Proceedings and indexed into IEEE Xplore digital library. 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.

1. Energy & Power Systems:

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

4. Control & Automation:

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

7. Economics & 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

Technical Committee:

Dr. Ibrahim Elamin, Chair, KSA

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Dr. Mohab A, Mangoud Er. Fadhel Abulhasan, Kuwait; Er. Jaafar Ibrahim, KSA

2. Computing & 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

5. Communications & Signal Processing:

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

8. Industrial Track (abstracts only):

- 8.1 Power System Automation Protection
- 8.2 Renewable Energy & Energy Efficiency
- 8.3 Electricity Law/ Deregulation/ Trading
- 8.4 SMEs on Power and Telecom Sectors
- 8.5 Telecomm. & Computing Technologies
- 8.6 Digital Oil Field & Artificial Lifting
- 8.7 Asset Mgmt. & Predictive Maintenance

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

6. Engineering Education & Development:

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

9. Women in Engineering (WiE)

(abstracts only): WiE track is intended to promote, inspire & empower women as STEM (Science, Technology, Engineering & Mathematics) leaders. It is open to women in research or professional activities, who wish to share ideas and experiences. Submissions may be under any topics mentioned above.

Important Dates (revised):

Tutorial/Special Sessions : **Dec. 31, 2016**

Full Paper manuscripts : **Dec. 31, 2016**

Industry & WiE Abstracts: **Dec. 31, 2016**

Acceptance notification : **Feb. 15, 2017**

(Aug.31, 2016 for earlier submissions)

Industry & WiE Final Pres.: **Mar. 31, 2017**

Full Paper Final Manuscripts: **Mar. 31, 2017**

Paper submission and Conference Registration are done through secure EDAS pages (<http://edas.info/19583>).

If you don't have an EDAS User ID, you can sign-up for a free account at <http://edas.info>.

For more information and latest updates, please visit the conference website <http://ieee-gcc.org>

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