



IEEE

Institute of Electrical & Electronics Engineers, Inc.

TENCON 2008

(Sponsored by IEEE Region 10 & Organized by IEEE Hyderabad Section)

November 18 - 21, 2008
Hyderabad, India

Theme: **Innovative Technologies for Societal Transformation**

Second Call for Papers

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About the Conference

TENCON is a premier international technical conference of IEEE Region 10. It provides a forum for researchers and engineers from academia and industry to present and discuss new ideas and developments in emerging areas of electrical and electronic engineering, computer science and Related topics. TENCON 2008 will be held in Hyderabad, India during November 18 - 21, 2008. The conference will feature plenary / invited talks by eminent scientists and engineers, tutorials, paper presentations, poster sessions and industrial exhibits. The main theme of the conference is related to novel and innovative technologies that bring about societal changes for good. An interesting feature of this conference is the student design contest being organized in all subject areas relevant to the conference.

Scope

Papers reflecting original research or novel designs/applications are solicited in, but not limited to, the following areas:

Power Engineering

Power System Operation and Control
Power System Transmission and Protection
Power Electronics and Drives
Distribution Automation
Power Generation - Renewable Energy
Power Quality and Reliability
Power Sector Reforms - Tariff, Open Access Operation

Signal Processing

Statistical and Adaptive Signal Processing
Wavelets and Multirate Signal Processing
Multi-Dimensional Signal Processing
Signal Processing for Communications
Speech Signal Processing
Sensor-Array Signal Processing
Bio-Medical Signal Processing
Computer Vision and Image Understanding
Image/Video Coding and Transmission
Image/Video Indexing and Retrieval
Image and Video Security

Communications

Communication Systems
Modulation and Coding
Wireless Systems including MIMO
Wideband Communications
Communication Networks
Optical Communications
Wireless Networks including Wi-Fi, Wi-MAX and Sensor Networks
Multimedia Communications
Cognitive Radio / Software Defined Radio

Circuits and Systems

Nano-Meter CMOS Devices and Circuits
Low-Power Design Techniques
System-on-Chip/Network-on-Chip Design
Analog, Mixed-Signal and RF Circuits
DSP/FPGA Architectures and Design
Embedded/Real-time Systems

Computing

Multicore Architectures and related Software Infrastructure
Parallel Languages and Compilers, Operating Systems and Programming environment for Multi-Processor Systems
Distributed and Pervasive Systems
Wearable Computing and Applications
Hardware and Software Architectures for AI
Human-Machine Interface
Computer Networks and Security

Software Systems

Specification, Design and Implementation of Software Systems
Software Testing, Validation and Verification
Software Security and Reliability
Enterprise Architecture
Information Management

Theme : Technologies for Transformation

Nano-Technology
ICT for Agriculture, Education and Healthcare
Technologies for Challenged Transportation including Hybrid Vehicles
End-use Efficiency

Important Dates

Submission of Papers
Notification of Acceptance
Camera Ready Paper
Submission for Design Contest
Notification of Acceptance
Tutorial Proposals
Notification of Acceptance
Tutorials
Conference

March 31, 2008
June 01, 2008
August 01, 2008
May 01, 2008
July 01, 2008
March 31, 2008
July 01, 2008
November 18, 2008
November 19-21, 2008