

# TENCON 2009 Singapore

***The*** conference for IEEE Region 10 members  
*By Region 10, For Region 10*

Organizer: The logo for the IEEE Singapore Section. It features a blue diamond shape containing a white stylized symbol of a lightning bolt or a similar electrical symbol. To the right of the diamond is the word "IEEE" in a bold, blue, sans-serif font. Below "IEEE" is a horizontal line, and underneath that line is the text "SINGAPORE SECTION" in a smaller, blue, sans-serif font.

*“We are proud to be the organizer and look forward to active participation by all IEEE Region 10 volunteers and members, in the organization, paper submission and conference attendance”*

# **TENCON 2009 Singapore – Preliminary decisions**

- **Dates: 23 to 26 Nov 2009**
- **Conference Committee:**
  - **General Chair: Lalit GOEL**
  - **Organizing Chair: King Jet TSENG**
  - **Technical Programme Co-Chairs: Guangbin HUANG  
Sabu EMMANUEL**
  - **Finance Chair: Ping Lam SO**
  - **Local Arrangements Chair: Lekha CHAISORN**
  - **Web/Publicity Chair: Sunita CHAUHAN**
  - **Publications Chair: Nithin SALGUNAN**
- **International Steering Committee:**
  - **All Region 10 Section Chairs of 2009/2010**
- **PCO: Globewerks International**

# TENCON 2009 Singapore – Conference Details

- **Conference Theme:**  
“Emerging Technologies for Sustainable Development”
- **Conference Fees:**
  - Full delegate (IEEE member): S\$750
    - Projected registration: 190
  - Full delegate (Non-member): S\$850
    - Projected registration: 20
  - Student delegate: S\$450
    - Projected registration: 40
- **Conference Venue:**
  - Suntec Singapore International Convention & Exhibition Centre
- **Technical Committee:**
  - Track Chairs and Reviewers to be invited from all Region 10 Chapter Chairs

**TENCON 2009 Singapore** – proposed venue:  
*Suntec Singapore  
International Convention & Exhibition Centre*



# TENCON 2009 Singapore – Important Dates

<b>Event</b>	<b>Date</b>
<b>Online submission opens</b>	<b>1 April 2009</b>
<b>Notification of tutorial and special session proposals</b>	<b>15 April 2009</b>
<b>Paper submission deadline</b>	<b>1 June 2009</b>
<b>Notification of paper acceptance</b>	<b>1 August 2009</b>
<b>Camera ready paper submission</b>	<b>15 August 2009</b>
<b>Early bird and authors registration deadline</b>	<b>1 September 2009</b>

# TENCON 2009 Singapore – Proposed Tracks

- **Power and Energy**
  - Power Generation, Transmission and Distribution
  - Renewable Energy Sources and Technology
  - Power System Operation, Control and Protection
  - Intelligent Energy Distribution
  - Conservation and Energy Efficient Technologies
  - Power Electronics
  - Energy Storage
  
- **Signal Processing**
  - Media (Text, Speech, Audio, Image, Video) Processing
  - Multidimensional Signal Processing
  - Bioimaging Processing
  - Image and Video, Coding, Indexing and Retrieval
  - Array Signal Processing
  - Pattern Recognition
  - Blind Signal Processing
  - Multimedia Security

# TENCON 2009 Singapore – Proposed Tracks

- **Networks and Communications**
  - Optical Communications
  - Wireless Communications
  - Wired & Wireless Networks
  - Sensor Networks
  - Traffic Control
  - Network Security
  
- **Circuits and Systems**
  - VLSI Systems and Applications
  - Systems on Chip
  - Analog Circuits and Systems
  - Digital Circuits and Systems
  - Consumer Electronics
  - Nanotechnology
  - Wireless Communication Circuits and Systems
  - Design Automation
  - Optoelectronic Circuits

# TENCON 2009 Singapore – Proposed Tracks

- **Computational Intelligence**
  - Support Vector Machines and Kernel Methods
  - Neural Networks
  - Neuroinformatics and Bioinformatics
  - Fuzzy Logic
  - Evolutionary Computing
- **Computing Architectures & Systems**
  - Advanced Computer Architectures and Systems
  - Application Specific Architectures and Systems
  - Parallel Processor Architectures and Systems
  - Wearable Computing and Applications
  - Embedded Architectures
  - Distributed and Pervasive Systems
  - Hardware Architectures for AI
  - Human-Machine Interface
  - Computer Security

# TENCON 2009 Singapore – Proposed Tracks

- **Software and Database Systems**
  - **Software Specification, Architecture, Design, Analysis and Testing**
  - **Software Security, Safety and Reliability**
  - **Operating Systems and Programming Environments**
  - **Distributed System Software and Middleware**
  - **Mobile and Embedded System Software**
  - **Databases and Data Mining**
  - **Data Warehousing and OLAP**
  - **Management of Streaming Data, Metadata and XML**
  - **Database Security**

# TENCON 2009 Singapore – Website



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**Welcome Message from Organising Chair**

It is my pleasure to welcome you to participate in TENCON 2009. This year's theme is Emerging Technologies for Sustainable Development and we hope that you will come on board.

We are expecting 300 delegates from the region and are targeting to receive some 100 abstracts submissions. A very exciting programme is lined up by our Technical Committee which we know you will

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**NEWS**  
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Company comes on board  
as our Platinum sponsor!

- Organising Committee**
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General Chair
  - King Jet TSENG  
Organizing Chair
  - Guangbin HUANG  
Technical Program Chair
  - Sabu EMMANUEL  
Technical Program Co-Chair
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Local Arrangements Chair
  - Sunita CHAUHAN  
Web/Publicity Chair
  - Nithin  
Publications Chair

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# TENCON 2009 Singapore – Call For Papers



Emerging Technologies for Sustainable Development

## CALL FOR PAPERS

### Welcome Message by Organizing Chair

The IEEE Region 10, also sometimes referred as the **Asia Pacific Region**, comprises of 56 Sections, 5 Councils, 8 Sub-sections, 334 Chapters and 490 student branches. It covers a geographical area stretching from South Korea and Japan in the north-east to New Zealand in the south, and Pakistan in the west. With a membership of over 67,000, it is one of the largest regions in IEEE, and the TENCON is the premier international technical conference of this important region. Held annually since 1980, TENCON provides an important forum for researchers and engineers from the industries, and professors and graduate students from the academia to network and to discuss new ideas and developments in emerging areas of electrical and electronic engineering, computer science and related topics.

TENCON 2009 will be held in Singapore during November 23 - 26, 2009. The theme of this TENCON, "Emerging Technologies for Sustainable Development" is most appropriate, as the current global economic downturn is a timely reminder of worse scenario to come if the global development is not sustainable. It is time for us to meet and consider multi-disciplinary technologies and affordable solutions to improving societies without damaging the environment. The conference will feature plenary / invited talks by eminent scientists and engineers, tutorials, paper presentations, poster sessions and industrial exhibits. We warmly welcome you to participate in this conference.

Dr Tseng King Jet  
Organizing Chair  
TENCON 2009

### ORGANISING COMMITTEE

Lalit GOEL  
General Chair

King Jet TSENG  
Organizing Chair

Guang-Bin HUANG  
Technical Program Chair

Sabu EMMANUEL  
Technical Program Co-Chair

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**Contact Details :**  
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## Emerging Technologies for Sustainable Development

Paper submissions for TENCON 2009 should focus on the following suggested topics, but not limited to :

### Power and Energy

Power Generation, Transmission and Distribution  
Renewable Energy Sources and Technology  
Power System Operation, Control and Protection  
Self-Healing Networks  
Conservation and Energy Efficient Technologies  
Power Electronics

### Signal Processing

Media (Text, Speech, Audio, Image, Video)  
Processing  
Multidimensional Signal Processing  
Biomedicine Processing  
Image and Video, Coding, Indexing and Retrieval  
Array Signal Processing  
Pattern Recognition  
Blind Signal Processing  
Multimedia Security

### Circuits and Systems

VLSI Systems and Applications  
Systems on Chip  
Analog Circuits and Systems  
Digital Circuits and Systems  
Consumer Electronics  
Nanotechnology  
Wireless Communication Circuits and Systems  
Design Automation  
Optoelectronic Circuits

### Networks and Communications

Optical Communications  
Wireless Communications

Wired & Wireless Networks  
Sensor Networks  
Traffic Control  
Network Security

### Computational Intelligence

Support Vector Machines and Kernel Methods  
Neural Networks  
Neuroinformatics and Bioinformatics  
Fuzzy Logic  
Evolutionary Computing

### Computing Architectures & Systems

Advanced Computer Architectures and Systems  
Application Specific Architectures and Systems  
Parallel Processor Architectures and Systems  
Wearable Computing and Applications  
Embedded Architectures  
Distributed and Pervasive Systems  
Hardware Architectures for AI  
Human-Machine Interface  
Computer Security

### Software and Database Systems

Software Specification, Architecture, Design, Analysis and Testing  
Software Security, Safety and Reliability  
Operating Systems and Programming Environments  
Distributed System Software and Middleware  
Mobile and Embedded System Software  
Databases and Data Mining  
Data Warehousing and OLAP  
Management of Streaming Data, Metadata & XML  
Database Security

### IMPORTANT DATES

Online Submission Opens	1 April 2009
Notification of Tutorial Proposals & Special Session Proposal	15 April 2009
Paper Submission Deadline	1 June 2009
Notification of Paper Acceptance	1 August 2009
Camera Ready Paper Submission	15 August 2009
Early Bird & Authors Registration Deadline	1 September 2009

We are posting the online Paper Submission Form from 1 April 2009

[www.tencon2009.org](http://www.tencon2009.org)

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# TENCON 2009 Singapore – Other information

- The event is strongly supported by the Singapore Tourism Board. Application for Be in Singapore Incentive Scheme in progress



- We look forward to working with R10 WIE and GOLD to organize WIE and GOLD workshops as side events for TENCON 2009
- If you wish to volunteer in the conference organization in any way, please contact the General Chair: [elkgoel@ntu.edu.sg](mailto:elkgoel@ntu.edu.sg) or the Organizing Chair: [ekjtseng@ntu.edu.sg](mailto:ekjtseng@ntu.edu.sg)