



SIGMA 2018: International Conference on Signals, Machines and Automation

February 23-25, 2018

New Delhi, India

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The International Conference on Signals, Machines & Automation SIGMA, 2018 aims to bring together leading academicians and researchers to exchange and share their experiences and research outcomes within the spectrum of conference theme. SIGMA, 2018 will be hosted by Netaji Subhas Institute of Technology (NSIT) at New Delhi on 23rd -25th February, 2018. NSIT is an autonomous institution under Govt. of NCT of Delhi and affiliated to University of Delhi, India. It has beautifully landscaped campus spreaded over 145 acres of land located in Dwarka, New Delhi, India.

Call for Papers

Authors are invited to submit original unpublished work that is not currently under consideration for publication elsewhere via the various tracks hosted by SIGMA-2018. The conference solicits contributions of abstracts, papers and e-posters that address themes and topics of the conference, including figures, tables and references of novel research materials. Topics of interest for submission include, but are not limited to:

Track I: Electronics and Communication

- Analog, Digital and Mixed signal processing
- Low-power and low-voltage circuits
- Radio frequency circuits
- VLSI Design
- Design Testing
- Fault tolerance systems
- Modeling, Simulation and CAD tools
- Microsystems and applications
- Microprocessor architecture
- Microelectronics/Nanoelectronics
- System architectures
- FPGA and ASIC design
- Microcontroller and Embedded Systems
- Mixed mode designs, high frequency circuits, design for testability
- Wireless communication
- RF and Microwave Communication
- Antenna and Propagation
- Microwave Theory and Techniques
- Techniques of Laser and Applications Of Electro-optics
- Modulation, Coding, and Channel Analysis
- Mobile Communication
- Quantum Computing
- Satellite Communication Systems
- Mobile Adhoc Networks
- Communication Protocols
- Cognitive Radio
- Remote Sensing and GPS
- Optical Electronic Devices & Photonics
- Network Communication and Connected Machines
- Signal Detection and Parameter Estimation
- Signal, Image and Video Processing
- Speech and Language Processing
- Quantum Signal Processing
- Audio and Acoustic Signal Processing
- Statistical Signal processing
- Signal processing for Computer vision and Robotics
- Compressed Sensing and Sparse Modelling
- Information Forensic and Security
- Internet of Things
- Signal Processing for big data
- Energy Efficiency
- Sensor Array and multichannel signal processing
- Nonlinear signal processing

Track II: Electrical & Energy Systems

- Renewable Sources of Power Generation
- Energy Harvesting
- Power System Deregulation
- Energy Markets, Modeling
- Simulation and Emulation of Large Power Systems
- Smart Grids and Cyber Security
- Power Electronics and Drives
- Power Automation
- Condition Monitoring and Fault Diagnosis
- Wide Area Monitoring & Control
- Electrical Machine & Industrial Drives
- Demand Side Management
- Power System Instrumentation and Control
- Power System Communication
- Energy Efficiency
- Wind & Solar Forecasting
- Energy Economics
- Power System Protection
- Utilization of Electrical Energy
- Power Apparatus Designing
- Distribution Systems
- Power Quality, HVDC and FACTS
- Power Devices, Packaging and EMI
- Diagnostic Systems
- Industrial Control and Monitoring
- High Voltage Systems
- Electrical & Electronics Measurement
- Transducers and Signal Conditioning
- Computer Application in Power System
- Biological Instrumentation
- Energy Auditing
- Process Modeling and Control
- Reliability Engineering
- Converter Topologies & Control
- Electric Vehicle and Automations

Track III: Computer Technology

- Internet of Things
- Cloud Computing
- Big Data
- Smart Cities
- Machine to Machine
- High Performance Computing
- Mobile Applications
- Knowledge Management
- Social Computing
- Software Engineering and Quality
- Privacy
- Surveillance
- Biometrics
- Internet Security
- Electronic Data Interchange
- Web Services and Performance
- Secure Transactions
- Cryptography
- Secure Protocols
- Cyber Security
- Artificial Intelligence
- Neural Networks
- Fuzzy Logic
- Optimization Techniques
- Agents and Multi-agent Systems
- Natural Language Processing
- Data Mining
- Support Vector Machines
- Ambient Intelligence
- Sentiment Analysis

Important Dates:

Last Date for Submission: **1st October 2017**

Acceptance: **10th November 2017**

Camera Ready Paper Submission: **20th December 2017**

Registration Without Late Fee: **20th December 2017**

Registration With Late Fee: **5th January 2018**

Date of Conference: **23rd - 25th February 2018**

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Registration Fees:

| Registration Fee (Publication in Advances in Intelligent Systems and Computing Series – Springer: Approval under Process) (10 pages) | | |
|---|--|---------------|
| Academician/Industry Participant | Without late Fee | With Late Fee |
| Academician/Industry Participant (from Foreign) | \$ 300 | \$ 350 |
| Students (from Foreign) | \$ 250 | \$ 300 |
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| Extra Paper Charges | Rs 6000 (Host Country); 175 USD (from Foreign) | |
| Extra Page charges | Rs 800 (Host Country); 23 USD (from Foreign) | |

Registration Fee (Publication in Journal of Intelligent and Fuzzy Systems, IOS Press)

Indian Authors: INR 21,000 - Paper Length: 12 journal pages

Foreign Authors: USD 500 - Paper Length: 12 journal pages

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