



2012 International Conference on Signal Processing, Computing, and Control

March 15-17, 2012

Shimla, India

Jaypee University of Information Technology

www.juit.ac.in/ISPCC

Call for Manuscripts

2012 International conference on Signal processing, Computing and Control, 2012 (ISPCC) brings together international researchers, developers, practitioners, and users. The aim of ISPCC is to serve as a forum to present current and future work as well as to exchange research ideas in this field. ISPCC 2012 invites authors to submit their original and unpublished work that demonstrates current research in all areas of signal processing, computing and control as well as proposals for workshops, industrial presentations, demonstrations, and tutorials.

The International Conference on *Signal Processing, Computing, and Control* will take place at Jaypee University of Information Technology, Shimla, India from March 15-17, 2012. This event is likely to get **IEEE sponsorship**; on confirmation the selected manuscripts will be included in IEEE Xplore.

Present your research at this multidisciplinary, internationally recognized forum that seeks to advance research in signal processing, computing and control, and many more. The Conference will feature world-class speakers, tutorials, exhibits, and poster sessions on the following broad topics and their applications:

Conference Tracks

1. Signal Processing

- Audio and Acoustic Signal Processing
- Multimedia Signal Processing
- Bio Imaging and Signal Processing
- Magnetic Imaging
- Signal Processing Education
- Design and Implementation of Signal Processing Systems
- Image, Video, and Multidimensional Signal Processing
- Signal Processing for Communications and Networking
- Machine Learning for Signal Processing
- Adaptive Signal Processing
- Fractional Transforms and Applications

2. VLSI and Embedded Computing

- Reconfigurable Computing/FPGA
- Network on Chip (NoC), System on Chip (SoC)

- Design, Modeling, and Simulation of Digital/Analog IC.
- VLSI Circuits and Systems
- CAD for VLSI
- Interconnect Modeling and Algorithms

3. Nano Technology and Quantum Computing

- Nanotechnology Imaging
- Nano-device and its fabrication
- Nano-material and Nano-circuit
- Computational Nano-electronics
- Reliability of Nano-devices and ESD Design

4. Network and Communication

- Wireless Sensor Networks
- Quality of Service of Networks
- Wireless Communications and Networks

- Microwave Theory and Techniques
- Antenna Theory and Design
- Terahertz Communication Technologies
- Information and Coding Theory
- Cryptography and its Applications
- Telepresence and Teleportation
- Mission Critical Networking and its Applications

5. Control and Automation

- Instrumentation and Automation
- Robotics

- Robust, Adaptive and Resilient Control Systems
- Control in Business, Management and Economics
- Process Control, Failure Analysis, Yield Enhancements and Modeling
- Networked Control System
- Fault Tolerant Control System
- System Performance and Reliability

6. Artificial Intelligence and Neural Networks.

Manuscript Submission

- The manuscripts should be organized to accommodate abstract, introduction, state-of-the-art, objective, used methodology, obtained results and references.
- Submitted manuscripts should be original and contain contributions of theoretical, experimental or application nature, or be unique experience reports.
- Manuscripts will be evaluated for originality, significance, clarity and soundness, and will be evaluated by at least three independent reviewers.
- All the accepted manuscripts will appear in the proceedings published by IEEE and fully indexed by IEEE Xplore. Selected manuscripts presented at the conference will be considered for publication in special issues of several international Journals.
- The authors of the accepted manuscripts have to submit final camera-ready manuscripts after making the corrections (if any) in accordance with the suggestions of the reviewers within the stipulated deadline.

Submission Page: The conference organizers are using Easy Chair for managing the conference. Authors are requested to create a login and password (if you do not have already) for uploading manuscripts, and to follow IEEE conference template strictly. Manuscripts must be submitted in PDF format within the stipulated time. The page limit for a full-length manuscript (camera ready) is 6 pages (with a possibility to purchase 2 extra pages). Kindly use the following link for submission of your manuscripts.
<http://www.easychair.org/conferences/?conf=ispc11>

Special Sessions

You are also invited to organize special sessions, by sending a request to ispc11@easychair.org. The Organizer of a special session will be the Chair for that session. Minimum requirement to hold a special session is 4 manuscripts. The Proposals for sessions will be reviewed by an independent committee comprising of academicians and industry experts, whose decision will stand final. Session chairs can advertise their sessions for manuscript submission upon approval.

A link for the session will be provided at the official web site of the conference. The manuscripts will be uploaded through the official webpage. After uploading the manuscript, authors should send an email to the organizing chair of special session.

About JUIT

Jaypee University of Information Technology Approved by UGC under Section 2f of UGC Act, commenced academic activities from July 2002 with undergraduate B.Tech. degree programs in Electronics & Communication Engineering, Computer Science & Engineering, Information Technology, Bioinformatics, and Civil Engineering . It has various post graduate programs in all the disciplines and numbers of research scholars are pursuing their doctorate in the university. The university believes in promoting individual's professional and personal development.

Shimla (Capital of the state of Himachal Pradesh in India)

Shimla, popularly known as the summer capital of India since the British period, is a beautiful city, rich in history and architecture. It is a very popular holiday-retreat during the summer months and is well-known for its Victorian architecture, which is reflected in the Mall and The Ridge. Shimla's cool climate and natural beauty makes it more attractive and popular destination for the tourist from all over the world. The railway track comes under the status of a [UNESCO World Heritage Site](#) , with the track passing through amazing 103 tunnels.

Located at an altitude of approximately 2200m above sea level, the region has a hilly terrain and is covered by dense evergreen forests. The average temperature during March is in between 14°C and 20°C, with a maximum touching around 25°C. The nearest broad gauge head is at Kalka - a four-hour journey from New Delhi, followed by a narrow gauge (**toy**) **train**, cab service is also available.

Important deadlines

Special Session & Tutorial Proposals	Dec 10, 2011
Notification of Special Session & Tutorial Acceptance	Dec 15, 2011
Submission of Manuscript	Dec 15, 2011 Dec 30, 2011
Notification of Manuscript Acceptance	Jan 15, 2012
Revised Manuscript Upload Deadline	Feb 05, 2012
Registration Deadline for Authors	Feb 10, 2012

Registration

	Early bird registration	Onsite or Registration after due date
IEEE/IETE/IE/CSI members	INR 2700	INR 3000
IEEE/IETE/IE/CSI non Members	INR 3000	INR 3500
Students	INR 1000	INR 1500
Int-IEEE/IETE/IE/CSI members	USD 200	USD 250
International-IEEE/IETE/IE/CSI non Members	USD 250	USD 300
International-Students	USD 100	USD 150

Further Information and Updates on www.juit.ac.in/ISPCC

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