

The Eighth International Conference on Contemporary Computing (IC3-2015) August 20-22, 2015

Technical Sponsor: IEEE Computer Society and IEEE Technical Committee on Parallel Processing (TCPP)
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Jaypee Institute of Information Technology, NOIDA, India, <http://www.jiit.ac.in/jiit/ic3/>

The International Conference on Contemporary Computing, is jointly organized every year since 2008 by the **Jaypee Institute of Information Technology, Noida, India** and the **University of Florida, Gainesville, USA**. It focuses on topics that are of contemporary interest to computer and computational scientists and engineers. IC3-2015 will bring together researchers and practitioners from academia, industry and government to deliberate upon the algorithmic, systemic, applied, and educational aspects of contemporary computing. The conference will be held in NOIDA (outskirts of New Delhi), India. The conference will feature world-class keynote speakers, exhibits, special sessions, tutorials, and paper presentations.

Accepted papers, only when presented in the Conference by registered authors, will be submitted for inclusion to IEEE Xplore. Previous IC3 proceedings are indexed by DBLP, SCOPUS, and Google Scholar. According to Google Scholar, IC3's h5 index = 10 and h5 median = 15. The publishers of the previous proceedings are - IEEE Xplore, USA (2013-2014), Springer, Germany (2009-2012), and McMillan, India (2008).

Important Dates:

Paper Submission Deadline: June 10, 2015
Author Notification: July 20, 2015
Final Camera Ready Manuscripts and Registration: Aug 05, 2015

Conference Tracks:

The conference is organized along the lines of four different tracks.

(i) Algorithms, (ii) Systems (Hardware & Software), (iii) Applications, (iv) Education

Keynote Speakers:

Shashi Shekhar , Professor, University of Minnesota, USA
Ramesh Jain, Professor, University of California, USA
Yuanyuan Yang, Professor, Stony Brook University, USA
Bhavani Thuraisingham, Professor, University of Texas at Dallas, USA

Paper Submission Guidelines:

Authors are invited to submit manuscripts that demonstrate original unpublished research. Papers are limited to 6 single spaced pages. Please see the conference website for paper submission procedures and detailed guidelines. Papers will be reviewed by subject matter experts and selected for presentation and inclusion in the conference proceedings based on their clarity, originality, relevance and significance. Accepted papers, only when presented in the Conference by at least one registered authors, will be submitted for inclusion to IEEE Xplore.

A partial list of areas of interest for each of the tracks follows:

| <u>Applications</u> | <u>Algorithms</u> |
|---|--|
| Cloud Computing , Distributed computing – Hadoop and Big Data | Parallel and Distributed Algorithms |
| Service-Oriented Computing | Optimization Algorithms |
| Web Services | Complexity Theory |
| Software Engineering | Graph Algorithms |
| Information Systems | Randomized and Approximation Algorithms |
| E-Commerce | Innovative Data Mining Algorithms |
| Pattern Recognition, Artificial Neural Networks | Algorithms for Security and Privacy |
| Machine Learning and Natural Language Processing | Numerical Algorithms |
| Data Mining, Information Retrieval | Scheduling and Load Balancing Algorithms |
| Image Processing, Computer Vision | Fault-tolerant Algorithms |
| Audio and Speech Processing | Network and Peer-to-Peer Algorithms |

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| <p style="text-align: center;"><u>Systems</u></p> <p>Ad hoc, Sensor, Vehicular, Underground and Underwater Networks Cloud, Cluster, Grid and P2P Computing, virtualization Cryptography and Applied Mathematics Distributed Computing Embedded Systems and Robotics, Embedded Systems and VLSI Multi-FPGA reconfigurable systems and architectures Enterprise, data center, and storage-area networks Performance evaluation of networks and distributed systems High Performance Computing Evolutionary Computing Heterogeneous Computing Models and Systems Information Security Intelligent Systems, Next generation Internet Parallel and Multi-core Computing Security, Trust and Privacy Smart phones and Security Social Network behavior, Modeling, and Analysis System/network-on-chip, Wireless Networking</p> | <p style="text-align: center;"><u>Education</u></p> <p>Curricular Issues in computing programs Competencies and learning objectives Pedagogy for computing courses Assessment methodology Introductory Computer Science Sequence Systems, Networks, and Architecture courses Parallel and Distributed Computing courses Programming Language and Tools Algorithms, Automata and Discrete Math courses Novel Elective courses Experience and Case Study reports Cyber Security courses Laboratory, Projects, and internship courses Service learning, Collaborative work and Peer learning Computer engineering and Computational Engineering programs Integrated Multi-Disciplinary Curriculum IT Entrepreneurship education</p> |
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Conference Organization:

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| <p>Chief Patrons Jaiprakash Gaur, Founder Jaypee group Manoj Gaur , Executive Chairman and CEO, Jaypee group</p> <p>Patron S. C. Saxena, VC, IIIT, India</p> <p>Steering Committee Sartaj Sahni, University of Florida, USA Sanjay Ranka, University of Florida, USA Srinivas Aluru, Iowa State University, USA & IIT Bombay, India Manish Parashar, Rutgers, The State University of New Jersey, Sanjay Goel, IIIT, India</p> | <p>Track Co- Chairs</p> <p>Algorithms Jaric Zola, Univ. of Buffalo, USA Narendra Nanjangud, IBM India Kishore Kothapalli, IIIT-Hyderabad, India J. Amudha, Amrita University-Bangalore, India</p> <p>Applications Purushotham Bangalore, Univ. of Alabama, USA Deepa Gupta, Amrita University-Bangalore, India</p> <p>Systems Animesh Pathak, INRIA, France K.V. Dinesha, IIIT-Bangalore, India Sanjay Chaudhary, Ahmedabad University</p> <p>Education Sushil Prasad, Georgia State University, USA</p> |
| <p>General Co-chairs Sartaj Sahni, University of Florida, USA HariOmGupta, IIIT, India Sanjay Goel, IIIT, India</p> <p>Program Co-Chairs Manish Parashar, Rutgers, The State University of New Jersey, USA Tirumale Ramesh, Amrita University-Bangalore, India</p> | <p>Publicity Co-Chairs Divakar Yadav, IIIT, India Shishir Kumar, JUET, India Nitin, JUIT, India Amit Kumar Pandey, Aldebaran Robotics, France</p> <p>Web Chair Sandeep Singh, IIIT, India</p> <p>Publication Co-chairs Vikas Saxena, IIIT Noida,India (Chair) Dharmveer Rajpoot, IIIT, India (Co-Chair) Satish Chandra, IIIT, India (Co-Chair)</p> <p>Registration and Local Arrangement Co-Chairs Prakash Kumar, IIIT, India Saurabh K. Raina, IIIT, India Manish K Thakur, IIIT, India Neetu Sardana, IIIT, Noida Hema N, IIIT, Noida Shikha Mehta, IIIT, Noida</p> |