

2016 Ninth International Conference on Contemporary Computing (IC3-2016) August 11-13, 2016

Jaypee Institute of Information Technology, NOIDA, India, <http://www.jiit.ac.in/jiit/ic3/>

**Technical Sponsor: IEEE Computer Society and IEEE Technical Committee on Parallel Processing (TCPP)
IEEE Conference Record Number: 39333**

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. IC3-2016 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 eight eminent keynote speakers, presentation of more than 100 peer reviewed papers and exhibits.

Accepted papers, only when presented in the Conference by registered authors, will be submitted for inclusion to IEEE Xplore. From 2009 onwards, the IC3 proceedings are indexed by DBLP, SCOPUS, and Google Scholar. According to Google Scholar, IC3's h5 index = 10 and h5 median = 13. The publishers of the previous proceedings are - IEEE Xplore, USA (2013-2015), Springer, Germany (2009-2012), and McMillan, India (2008).

Important Dates:

~~Paper Submission Deadline: June 10, 2016~~

Extended Paper Submission Deadline: June 17, 2016

Author Notification:

- For papers with authors from outside India: June 25, 2016
- For papers with all authors from India: July 15, 2016

Final Camera Ready Manuscripts and Registration: July 30, 2016

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:

Prof. Timothy A. Gonsalves, Director, IIT Mandi, India;

Prof. PJ Narayanan, Director, IIIT Hyderabad, India;

Prof. Manish Parashar, IEEE Fellow, Rutgers University, USA;

Prof. Joseph F. Jaja, IEEE and ACM Fellow, University of Maryland, USA;

Prof. David Abramson, IEEE and ACM Fellow, University of Queensland, Australia;

Prof. Gul Agha, IEEE Fellow University of Illinois at Urbana-Champaign, USA;

Dr. Ravi Kothari, Chief Scientist of IBM Research and Fellow, INAE – India

Prof. T.V. Prabhakar, IIT Kanpur, India

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. Authors are advised to ensure that their papers free of intentional as well as unintentional plagiarism. All submitted papers will be checked for the similarity score with the published literature using iThenticate services by EDAS. All papers with similarity score of more than 20 are likely to be rejected. Other papers will be peer reviewed on the basis of their clarity, originality, relevance and significance.

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

<p>Information Systems E-Commerce Pattern Recognition, Artificial Neural Networks Machine Learning and Natural Language Processing Data Mining, Information Retrieval Image Processing, Computer Vision Audio and Speech Processing</p>	<p>Randomized and Approximation Algorithms Innovative Data Mining Algorithms Algorithms for Security and Privacy Numerical Algorithms Scheduling and Load Balancing Algorithms Fault-tolerant Algorithms Network and Peer-to-Peer Algorithms</p>
<p>Systems 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>Education 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>

Conference Organization:

<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 Track Chairs- Algorithms Samee Khan , North Dakota State University, USA Ratan K Ghosh, IIT Kanpur, India</p> <p>Track Chairs- Applications Azzedine Boukerche, University of Ottawa, Canada Vijay Laxmi, MNIT Jaipura, India</p> <p>Track Chairs- Systems Lizhe Wang, China Univ. of Geosciences, China Manoj Gaur, MNIT, Jaipur, India</p> <p>Track Chairs- Education Zahir Tari, RMIT University, Australia Rahul Banerjee, BITS, Pilani, India</p>
<p>General Co-chairs Sartaj Sahni, University of Florida, USA Padam Kumar, IIIT, India Sanjay Goel, IIIT, India</p> <p>Program Co-Chairs Albert Y. Zomaya, The University of Sydney, Australia Dheeraj Sanghi, IIIT Delhi, India</p>	<p>Publicity Co-Chairs: Divakar Yadav, IIIT, India Shishir Kumar, JUET, India Amit Kumar Pandey, Aldebaran Robotics, France</p> <p>Web Chair: Sandeep Singh, IIIT, India</p> <p>Publication Co-chairs: Vikas Saxena, IIIT, India (Co-Chair) Dharmveer Rajpoot, IIIT, India (Co-Chair)</p> <p>Registration and Local Arrangement Co-Chairs: Prakash Kumar, IIIT, India Nitin, IIIT, India Manish K Thakur, IIIT, India Neetu Sardana, IIIT, India Hema N, IIIT, India Shikha Mehta, IIIT, India</p>

