**2014 Seventh International Conference on Contemporary Computing (IC3--‐2014)**

**August 7-9, 2014**

**Technical Sponsor**: IEEE Computer Society

IEEE Technical Committee on Parallel Processing (TCPP)

**IEEE Conference Record Number**: 34056

**Venue:** Jaypee Institute of Information Technology, NOIDA, India

﻿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. IC3·2014 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 = 8 and h5 median = 9. The publishers of the previous proceedings are - IEEE Xplore, USA (2013), Springer, Germany (2009-2012), and McMillan, India (2008).

﻿**Important Dates:**

Paper Submission Deadline: May 9, 2014 Author Notification: June 30, 2014

Final Camera Ready Manuscripts and Registration: July 10, 2014

**Conference Organisation:**

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| ﻿ **Chief Patrons**Jaiprakash Gaur  Manoj Gaur **Patrons**Yaj MeduryS. C. Saxena**Steering Committee** Sartaj Sahni, University of Florida, USA Sanjay Ranka, University of Florida, USA Srinivas Aluru, Iowa State University, USA & lIT Bombay, India Manish Parashar, Rutgers, The State University of New Jersey, Guna Seetharaman, Air Force Research Laboratory, USA Sanjay Goel, JIIT, India |  **General Co-chairs** Sartaj Sahni, University of Florida, USA Hari Om Gupta, JIIT, India Sanjay Goel, JIIT, India**Program Co-Chairs** Manish Parashar, Rutgers, The State University of New Jersey, USA Umesh Bellur, lIT Bombay   |
| ﻿**Track Co- Chairs** **Algorithms** S.D. Madhu Kumar, NIT Calicut, India Priya Chandran, NIT Calicut, India Murali Krishnan, NIT Cali cut, India Kamesh Madduri, Penn State University, USA**Applications** C. Chandra Sekhar, lIT Madras, India Narendra Nanjangud, IBM India Carlos Varela, RPI, USA **Systems** Sanjay Chaudhary, Ahemedabad University, India Kavi Arya, lIT Bombay, India Xiaolin Li, University of Florida, USA **Education** Sushil K. Prasad, Georgia State University, USA | **Web Administration**Sandeep K. Singh, JIIT, India **Publications Commitee** Vikas Saxena, JIIT, India (Chair) Satish Chandra, JIIT, India (Co-Chair)Dharmveer Rajpoot, JIIT, India (Co-Chair)Buddha Singh, JIIT, India Adwitiya Sinha, JIIT, India Kavita Mehta, JIIT, India Kishore Kumar, JIIT, India**Publicity Co-chairs**Divakar Yadav, JIIT, India Shishir Kumar, JUET, IndiaNitin, JUIT, IndiaAmit Kumar Pandey, Aldebaran Robotics, France **Graphic Design**Anuja Arora, JIIT, India**Registration and Local Arrangement Co-chairs** Prakash Kumar, JIIT, IndiaSaurabh K. Raina, JIIT, India Manish K Thakur, JIIT, IndiaSangeeta Mittal, JIIT, IndiaHema N, JIIT, India |

**Keynote Speakers:**

* H. J. Siegel, Colorado State University, USA (Fellow of IEEE and ACM)
* Martin Henson, University of Essex, UK (Fellow of the Royal Society of Arts, and British Computer Society)
* Azzedine Boukerche, University of Ottawa, Canada (Fellow of the AAAS, Engineering Institute of Canada, and Canadian Academy of Engineering)
* Albert Y. Zomaya, Professor, University of Sydney, Australia (Australian Research Council Professorial Fellow)
* Krithi Ramamritham, IIT Bombay, India (Fellow of IEEE, ACM, Indian National Academy of Engineering, Indian Academy of Sciences, and National Academy of Sciences, India)
* Ashok Jhunjhunwala, IIT Madras, India (Fellow of the Indian National Academy of Engineering, India, Indian National Science Academy (INSA), and The National Academy of Science, Allahabad)
* Tirumale K Ramesh, Amrita University, India (Senior Member, IEEE)

**Conference Tracks:**

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

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

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| **Applications** Artificial Neural Networks  Audio and Speech Processing Cloud Computing Applications – SaaSComputer Vision Data Mining Distributed computing & Big Data Analysis E-Commerce Image Processing Information Retrieval Information Systems Machine Learning BioinformaticsPattern Recognition Service-Oriented Computing Software Engineering Web Services  | **Algorithms** Approximation Algorithms Complexity Theory Fault-tolerant Algorithms Graph Algorithms Innovative Data Mining Algorithms Optimization Algorithms Network and Peer-to-Peer Algorithms Numerical Algorithms Parallel and Distributed Algorithms Randomized Algorithms Security and Privacy Algorithms Scheduling and Load Balancing Algorithms  |
| **Systems**Ad hoc, Sensor, Vehicular, Underground and Underwater Networks Cluster, Grid and P2P Computing Cryptography and Applied Mathematics Distributed Computing Embedded Systems and Robotics, Embedded Systems and VLSI Enterprise, data center, and storage-area networks High Performance Computing Information Security Intelligent Systems, Next generation Internet Performance evaluation of networks and distributed systems Parallel and Multi-core Computing Reconfigurable architectures Security, Trust and Privacy Smart phones and Security Social Network Behavior, Modeling, and Analysis System/network-on-chip, Wireless Networking Virtualization & Cloud Computing  | **Education** Student understanding or misunderstanding,Pedagogical, curricular, epistemological, ontological or assessment related issues in computing programs or coursesInnovative teaching methods in computing coursesTransfer of professional practices into classroomAnimation/visualization/simulation systemsEducation technology, Educational resources and communitiesE-learning, MOOC and its effect on engineering education, Platforms for MOOCIT entrepreneurship education  |

**Paper Submission Guidelines:**

Authors are invited to submit manuscripts (through EDAS) that demonstrate *original unpublished research*. Papers are limited to 6 single spaced, double column pages. Please see the conference website http://www.jiit.ac.in/jiit/ic3 for paper submission procedures and detailed guidelines. Papers will be reviewed by experts and selected for presentation and inclusion in the conference proceedings based on their clarity, originality, relevance and significance.