**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 Medury  S. 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, India  Nitin, JUIT, India  Amit Kumar Pandey, Aldebaran Robotics, France  **Graphic Design** Anuja Arora, JIIT, India  **Registration and Local Arrangement Co-chairs**  Prakash Kumar, JIIT, India Saurabh K. Raina, JIIT, India  Manish K Thakur, JIIT, India Sangeeta Mittal, JIIT, India  Hema 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 – SaaS  Computer Vision  Data Mining  Distributed computing & Big Data Analysis  E-Commerce  Image Processing  Information Retrieval  Information Systems  Machine Learning  Bioinformatics  Pattern 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 courses  Innovative teaching methods in computing courses  Transfer of professional practices into classroom  Animation/visualization/simulation systems  Education technology, Educational resources and communities  E-learning, MOOC and its effect on engineering education, Platforms for MOOC  IT 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.