2018 Eleventh International Conference on Contemporary Computing (IC3-2018)
August 2-4, 2018
Jaypee Institute of Information Technology, NOIDA, India, http://www.jiit.ac.in/jiit/ic3/index.html

Technical Sponsor : IEEE Computer Society and IEEE Technical Committee on Parallel Processing (TCPP)
IEEE Conference Record Number: 44547

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. IC3-2018 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 is held in NOIDA (outskirts of New Delhi), India, and typically features multiple eminent keynote speakers, and 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 & Computer.org. From 2009 onwards, the IC3 proceedings are indexed by DBLP, SCOPUS, and Google Scholar. According to Google Scholar, IC3′s h5 index = 11 and h5 median = 18. The publishers of the previous proceedings are - IEEE Xplore, USA (2013-2016), CCIS-Springer, Germany (2009-2012), and McMillan, India (2008).

Important Dates:
Full Paper Submission Date : 08 May, 2018
Author notification Date: 20 June, 2018
Final Camera Ready Submission Date : 05 July, 2018

Conference Tracks:
The conference is organized along the lines of four different tracks. (i) Algorithms, (ii) Systems (Hardware & Software), (iii) Applications, and (iv) Education

Keynote Speakers:
1. Prof. Dinesh K. Pai, University of British Columbia, CANADA
2. Prof. Laxmikant V. Kale, University of Illinois at Urbana-Champaign, USA
3. Prof. Rakesh Agrawal, ACM and IEEE fellow

More are yet to confirm.

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Authors are invited to submit manuscripts that demonstrate original unpublished research.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 without review. 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:

Track-1: Applications	**Track-2: Algorithms**
Machine Learning Big Data processing and applications Artificial Intelligence Natural Language Processing Data mining, Information retrieval Computer vision, Image processing Pattern recognition Audio and speech processing Computational science applications Scientific computing applications E-commerce applications, Web services Cloud computing applications, Biomedical applications, Emerging applications in Healthcare, Engineering, etc.	Parallel and Distributed Algorithms Combinatorial and Graph Algorithms Scheduling and Load Balancing Algorithms Numerical Algorithms Randomized, Approximation, and Streaming Algorithms for Parallel Processing Locality-Aware, Power/Energy-Aware Algorithms, Optimization Algorithms Complexity Theory Algorithms for Big Data/Data Intensive Parallel Computing Algorithms for Security and Privacy Fault-tolerant Algorithms Network and Peer-to-Peer Algorithms
Track-3: Systems	**Track-4: Education**
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	Computing and Data Science Literacy across all Science, Technology, and Social Science Disciplines,Introductory Computer Science Course Sequence Parallel, Distributed and High Performance Computing courses,Computational Science courses Computer Engineering and Computational Engineering courses Curricular Issues in Computing Programs Pedagogy for Computing courses Systems, Networks, and Architecture courses Programming Language and Tools Algorithms, Automata and Discrete Math courses Novel Elective courses, Cyber Security courses Experience and Case Study reports Laboratory, Projects, and Internship courses Collaborative work and Peer learning Integrated Multi-Disciplinary Curriculum IT Entrepreneurship Education Assessment Methodology Employers' Experiences with and Expectation of Graduating Students.

Conference Organisation:

General Co-Chairs

Sartaj Sahni, University of Florida, USA

Padam Kumar, Jaypee Institute of Information Technology, India

Sanjay Goel, Jaypee Institute of Information Technology, India

Program Co-Chairs

Srinivas Aluru, Georgia Institute of Technology, USA
Ananth Kalyanaraman, Washington State University, USA

Track Co-Chairs

Algorithms:
Debajyoti Bera, Indraprastha Institute of Information Technology, Delhi, India
Kishore Kothapalli, Indian Institute of Information Technology, Hyderabad, India

Applications:
David Abramson, University of Queensland, Brisbane, Australia
Ilkay Altintas, San Diego Supercomputing Center, San Diego, USA
Sanjukta Bhowmick, University of Nebraska, Omaha, USA

Systems:
Madhu Govindaraju, SUNY Binghamton, Binghamton, USA
Smruti Ranjan Sarangi, Indian Institute of Technology, Delhi, India

Education:
Sushil Prasad, Georgia State University, Atlanta, USA
Steven Bogaerts, De Pauw University, Greencastle, USA

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