**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Authors are invited to submit manuscripts that demonstrate original unpublished research.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**  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. | **Track-2: Algorithms**  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**  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 | **Track-4: Education**  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 |

**Publication Chair:**

Vikas Saxena,JIIT, Noida

**Publicity Chair:**

Tribhuwan Tewari, , JIIT Noida, India

**Web Administration:**

Raghu Vamsi P, JIIT Noida, India

**Registration Chair:**

Kavita Pandey, JIIT, India