**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**

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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Authors are invited to submit manuscripts that demonstrate original unpublished research.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:**

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| **Track-1: Applications**Machine LearningBig Data processing and applicationsArtificial IntelligenceNatural Language ProcessingData mining, Information retrievalComputer vision, Image processingPattern recognitionAudio and speech processingComputational science applicationsScientific computing applicationsE-commerce applications, Web servicesCloud computing applications, Biomedical applications, Emerging applications in Healthcare, Engineering, etc.  | **Track-2: Algorithms**Parallel and Distributed AlgorithmsCombinatorial and Graph AlgorithmsScheduling and Load Balancing AlgorithmsNumerical AlgorithmsRandomized, Approximation, and Streaming Algorithms for Parallel ProcessingLocality-Aware, Power/Energy-Aware Algorithms, Optimization AlgorithmsComplexity TheoryAlgorithms for Big Data/Data Intensive Parallel ComputingAlgorithms for Security and PrivacyFault-tolerant AlgorithmsNetwork and Peer-to-Peer Algorithms |
| **Track-3: Systems**Ad hoc, Sensor, Vehicular, Underground and Underwater NetworksCloud, Cluster, Grid and P2P Computing, virtualizationCryptography and Applied MathematicsDistributed ComputingEmbedded Systems and Robotics, Embedded Systems and VLSIMulti-FPGA reconfigurable systems and architecturesEnterprise, data center, and storage-area networksPerformance evaluation of networks and distributed systemsHigh Performance ComputingEvolutionary ComputingHeterogeneous Computing Models and SystemsInformation SecurityIntelligent Systems, Next generation InternetParallel and Multi-core ComputingSecurity, Trust and PrivacySmart phones and SecuritySocial 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 SequenceParallel, Distributed and High Performance Computing courses,Computational Science coursesComputer Engineering and Computational Engineering coursesCurricular Issues in Computing ProgramsPedagogy for Computing coursesSystems, Networks, and Architecture coursesProgramming Language and ToolsAlgorithms, Automata and Discrete Math coursesNovel Elective courses, Cyber Security coursesExperience and Case Study reportsLaboratory, Projects, and Internship coursesCollaborative work and Peer learningIntegrated Multi-Disciplinary CurriculumIT Entrepreneurship EducationAssessment MethodologyEmployers’ Experiences with and Expectation of Graduating Students. |

**Conference Organisation:**

**General Co-Chairs**

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| 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**

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| Srinivas Aluru, Georgia Institute of Technology, USAAnanth Kalyanaraman, Washington State University, USA**Track Co-Chairs****Algorithms:**Debajyoti Bera, Indraprastha Institute of Information Technology, Delhi, IndiaKishore Kothapalli, Indian Institute of Information Technology, Hyderabad, India**Applications:**David Abramson, University of Queensland, Brisbane, AustraliaIlkay Altintas, San Diego Supercomputing Center, San Diego, USASanjukta 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, USASteven Bogaerts, De Pauw University, Greencastle, USA |

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Vikas Saxena,JIIT, Noida

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Tribhuwan Tewari, , JIIT Noida, India

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Raghu Vamsi P, JIIT Noida, India

**Registration Chair:**

Kavita Pandey, JIIT, India