

CALL FOR PAPERS

2021 Thirteenth International Conference on Contemporary Computing (IC3-2021)
August 5-7, 2021 [ACM ICPS ISBN Number: 978-1-4503-8920-4]

Jaypee Institute of Information Technology, NOIDA, India,
(Proceedings to be published in ACM ICPS)
<http://www.ic3conf.net/index.html>

The International Conference on Contemporary Computing (IC3) is being jointly organized by **Jaypee Institute of Information Technology, Noida, India** and **University of Florida, Gainesville, USA** annually since 2008. The conference tracks characterize core developments in contemporary areas of computer science. Like past twelve editions, IC3-2020 aims to bring together researchers and practitioners from academia, industry and government to deliberate upon the Intelligent computing, Network and Social computing, Data and Cloud computing, Computer Algorithms and Applications, System and Software Engineering aspects of contemporary computing. The conference which is held in NOIDA (outskirts of Indian National Capital, New Delhi), India, typically features multiple eminent keynote speakers from academia and industry as well as presentation of more than 100 peer-reviewed papers and exhibits.

From 2009 onwards, the IC3 proceedings are indexed by DBLP, SCOPUS, and Google Scholar. According to Google Scholar, IC3's h5 index is 15 and h5 median is 20.

The publishers of the previous proceedings have been IEEE Xplore, USA (2013-2019), CCIS-Springer, Germany (2009-2012), and McMillan, India (2008).

Important Dates:

Full Paper Submission: 15th April 2021
Author notification: 10th June, 2021
Final Camera Ready Submission: 20th June, 2021

Conference Tracks:

Contemporary Computing aspects have been organized around five different thematic tracks namely Track-1: Intelligent Computing, Track-2: Network and Social Computing, Track-3: Data and Cloud Computing, Track-4: Computer Algorithms and Applications, Track 5: System and Software Engineering

Keynote Speakers:

Bharat K. Bhargava, Purdue University, USA

--More are yet to confirm--

Paper Submission Guidelines:

Authors are requested to visit the link <https://www.acm.org/publications/proceedings-template> to refer to instructions for preparation of manuscripts for review of the work that demonstrate original unpublished research. Word Template File is uploaded on the website. Authors are advised to ensure that their papers are 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.

Conference Organization:

General Co-Chairs

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Prof. Vikas Saxena, IIIT Noida, India

Program Chair

Prof. Sundaraja Sitharama Iyengar, Florida International University, USA

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Track Co-Chairs

Track-1: Intelligent Computing

Paweł Śniatała, Poznan University of Technology, Poland

Track-2: Network and Social Computing

Hadi Amini, FIU, USA
Sunitha N.R., Siddaganga Institute of Technology, Tumkur, Karnataka, India

Track-3: Data and Cloud Computing

Shu-Ching Chen, Florida International University, USA
Shobha G, R V College of Engineering, Bangalore, India

Track-4: Computer Algorithms and Applications

Jose Rolim, Centre Universitaire d'Informatique, Switzerland

Track 5: System and Software Engineering

Supratik Mukhopadhyay, Louisiana State University, LA, USA

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Web Administration

Dr. Raghu Vamsi P, IIIT Noida, India
Deepti Singh, IIIT Noida, India

Conference location: Jaypee Institute of Information Technology
A-10, Sector-62, NOIDA (Outskirts of New Delhi), India

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Partial list of areas of interest for each of the tracks but not limited to:

Track-1: Intelligent computing	Track-2: Network and Social Computing	Track-3: Data and Cloud Computing	Track-4: Computer Algorithms and Applications	Track-5: System and Software Engineering
<ul style="list-style-type: none"> • Artificial Intelligence • Pattern recognition • Machine Learning • Cognitive Computing • Machine Learning Science, Sequential and Incremental Learning, Kernel Learning • Deep Learning • Soft Computing • Evolutionary Computing • Meta-heuristics • Semantic Computing • Expert systems • Information retrieval • Big Data processing and applications • Data mining • Natural Language Processing • Computer vision • Image processing • Audio and speech processing • Computational science applications • Scientific computing applications • E-commerce applications, Web services • Biomedical applications • Emerging applications in Healthcare and Engineering • High Performance Computing 	<ul style="list-style-type: none"> • Computer networks • Ad hoc, Sensor, Vehicular networks • Smart cities • IOT and IIOT • AI in IOT <ul style="list-style-type: none"> • Smart phones and Security • 5G Communication • Next generation Internet • Software Defined Networks • Performance evaluation of networks and distributed systems • Social Network behaviour-Modelling and Analysis • Computational models of social simulation • Information diffusion models • Emotional intelligence, opinion representation, influence process • Social Media Data Mining 	<ul style="list-style-type: none"> • Cloud • Fog Computing • Blockchain Systems • Edge computing, • Cluster • Grid • Distributed and P2P Computing • Internet of Things • Scheduling and load balancing • Embedded Systems and Robotics • Embedded Systems and VLSI • Multi-FPGA reconfigurable systems and architectures • Parallel and Multi-core Computing • Smart phones and Security • Enterprise, data centre, and storage-area networks • Virtualization and fields related to data science • Data analytics • Big data technologies • Big Data Management • Mobile Commerce • Real-time big data services 	<ul style="list-style-type: none"> • Novel Algorithm Analysis Designs, and Implementation • Parallel Algorithms • Distributed Algorithms • Combinatorial Algorithms • Graph Algorithms • Scheduling and Load Balancing Algorithms • Randomized Approximation • Parameterized Algorithms • Optimization Algorithms • Bio-Inspired Algorithms • Complexity Theory • Fault-tolerant Algorithms • Bioinformatics Algorithms • Computational Biology • Quantum Computing • Algorithmic Game Theory • Computational Finance • Computational Geometry • On-line and Streaming Algorithms • Cryptography and Theoretical Aspects of Security and Privacy • Sentic Computing • Closed and Non-Closed form solutions • Random Projections • Dimensionality Reduction and Matrix Factorisation • Real Time Learning Algorithms • Reasoning and Cognition models 	<ul style="list-style-type: none"> • Next Generation Software Architecture • Machine Learning for Software Quality • Software Engineering for Trustworthy Systems • Intelligent Software Engineering • Measurement and Metrics • System modeling and simulation • HCI • Reliability Safety and Performance Engineering • Software and Systems Reuse in the Big Data Era • Software Quality, Reliability, and Security • Source Code Analysis • Emerging applications in Healthcare • Embedded Systems and Robotics • System Security, Trust and Privacy • Smart Grid and Renewable Energy Systems