

### Conference Organization

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### Tracks and Track Chairs

#### Track-1: Intelligent Computing

- Pradeep Chowriappa, Louisiana Tech University, USA
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#### Track-2: Network and Social Computing

- Vinay Chamola, BITS Pilani, India
- Shelly Sachdeva, National Institute of Technology, Delhi

#### Track-3: Data and Cloud Computing

- Azzedine Boukerche, University of Ottawa, Canada

#### Track-4: Computer Algorithms and Applications

- Marios Angelopoulos, Bournemouth University, UK
- Jose Rolim, University of Geneva, Switzerland

#### Track 5: System and Software Engineering

- N R Sunitha, Siddaganga Institute of Technology, India
- Manu Sood, Himachal Pradesh University, India

#### Important Dates

- Full Paper Submission: 15<sup>th</sup> April 2024
- Author notification: 25<sup>th</sup> June, 2024
- Final Camera-Ready Submission: 1<sup>st</sup> July, 2024

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## CALL FOR PAPERS

### 2024 Sixteenth International Conference on Contemporary Computing (IC3-2024) August 8-10, 2024

**Conference Mode: HYBRID (Online and Offline)**

[Proceedings by SCOPUS Indexed ACM ICPS  
ISBN Number: 979-8-4007-0972-2]

Jointly organized by

**Jaypee Institute of Information Technology, India**

&

**University of Florida, USA**

<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 fourteen editions, IC3-2024 also 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. Every year the conference also features multiple eminent keynote speakers from academia and industry as well as presentations of more than 100 peer-reviewed research papers and exhibits. From 2009 onwards, the IC3 proceedings are indexed by DBLP, SCOPUS, and Google Scholar. According to Google Scholar, IC3's current h5 index is 24 and h5 median is 38.

The publishers of the previous proceedings have been ACM ICPS (2021 - 2023), IEEE Xplore USA (2013-2019), CCIS-Springer, Germany (2009-2012), and McMillan, India (2008).

IC3-2023 proceedings can be accessed at <https://dl.acm.org/doi/proceedings/10.1145/3607947>

#### Conference Tracks

Original unpublished research that is not being under review considerations elsewhere are invited for possible publication under one of the following five tracks of the conference.

1. Network and Social Computing Track
2. Computer Algorithms and Applications Track
3. Data and Cloud Computing Track
4. Intelligent computing Track
5. System and Software Engineering Track

**List of topics of each track (but not limited to)** are given on next page.

**Paper Submission Guidelines:** All papers will be submitted through EDAS using following link <https://edas.info/N32134>. Authors may visit the page <https://www.acm.org/publications/proceedings-template> for preparation of manuscripts for review of the work that demonstrates original unpublished research. Word Template File is also 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. 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.

**Topics of interest for each of the tracks but not limited to:**

<b>Track-1: Intelligent computing</b>	<b>Track-2: Network and Social Computing</b>	<b>Track-3: Data and Cloud Computing</b>	<b>Track-4: Computer Algorithms and Applications</b>	<b>Track-5: System and Software Engineering</b>
<ul style="list-style-type: none"> <li>• Artificial Intelligence</li> <li>• Pattern recognition</li> <li>• Machine Learning</li> <li>• Cognitive Computing</li> <li>• Federated Learning</li> <li>• Deep Learning</li> <li>• Soft Computing</li> <li>• Evolutionary Computing</li> <li>• Meta-heuristics</li> <li>• Semantic Computing</li> <li>• Expert systems</li> <li>• Information retrieval</li> <li>• Big Data processing</li> <li>• Data mining</li> <li>• Natural Language Processing</li> <li>• Computer vision</li> <li>• Image processing</li> <li>• Audio and speech processing</li> <li>• Computational science applications</li> <li>• Scientific computing applications</li> <li>• E-commerce applications, Web services</li> <li>• Biomedical applications</li> <li>• Emerging applications in Healthcare and Engineering</li> <li>• High Performance Computing</li> </ul>	<ul style="list-style-type: none"> <li>• Computer networks</li> <li>• Ad hoc, Sensor, Vehicular networks</li> <li>• Smart cities</li> <li>• IOT and IIOT</li> <li>• AI in IOT</li> <li>• 5G</li> <li>• Communication</li> <li>• Next generation Internet</li> <li>• Software Defined Networks</li> <li>• Performance evaluation of networks and distributed systems</li> <li>• Social Network behaviour-Modelling and Analysis</li> <li>• Computational models of social simulation</li> <li>• Information diffusion models</li> <li>• Emotional intelligence, opinion representation, influence process</li> <li>• Social Media</li> <li>• Data Mining</li> <li>• Smart phones and Security</li> </ul>	<ul style="list-style-type: none"> <li>• Cloud Computing</li> <li>• Fog Computing</li> <li>• Blockchain Systems</li> <li>• Edge computing,</li> <li>• Distributed and P2P Computing</li> <li>• Internet of Things</li> <li>• Scheduling and load balancing</li> <li>• Embedded Systems and Robotics</li> <li>• Embedded Systems and VLSI</li> <li>• Multi-FPGA reconfigurable systems and architectures</li> <li>• Parallel and Multi-core Computing</li> <li>• Smart phones and Security</li> <li>• Enterprise, data centre, and storage-area networks</li> <li>• Virtualization and fields related to data science</li> <li>• Data analytics</li> <li>• Big data technologies</li> <li>• Big Data Management</li> <li>• Mobile Commerce</li> <li>• Real-time big data services</li> </ul>	<ul style="list-style-type: none"> <li>• Novel Algorithm Analysis Designs, and Implementation</li> <li>• Parallel Algorithms</li> <li>• Distributed Algorithms</li> <li>• Combinatorial Algorithms</li> <li>• Graph Algorithms</li> <li>• Scheduling and Load Balancing Algorithms</li> <li>• Randomized Approximation</li> <li>• Parameterized Algorithms</li> <li>• Optimization Algorithms</li> <li>• Bio-Inspired Algorithms</li> <li>• Complexity Theory</li> <li>• Fault-tolerant Algorithms</li> <li>• Bioinformatics Algorithms</li> <li>• Computational Biology</li> <li>• Quantum Computing</li> <li>• Algorithmic Game Theory</li> <li>• Computational Finance</li> <li>• Computational Geometry</li> <li>• On-line and Streaming Algorithms</li> <li>• Cryptography and</li> <li>• Theoretical Aspects of Security and Privacy</li> </ul>	<ul style="list-style-type: none"> <li>• Next Generation Software Architecture</li> <li>• Machine Learning for Software Quality</li> <li>• Software Engineering for Trustworthy Systems</li> <li>• Intelligent Software Engineering</li> <li>• Measurement and Metrics</li> <li>• System modelling and simulation</li> <li>• HCI</li> <li>• Empirical Software Engineering</li> <li>• Continuous software engineering</li> <li>• Global /Distributed agile software development</li> <li>• Agile software development</li> <li>• Large scale agile software development</li> <li>• DevOps</li> <li>• Continuous Integration/</li> <li>• Continuous Delivery (CI/CD)</li> <li>• Leadership and coaching</li> <li>• Agile testing</li> <li>• Business agility</li> </ul>