# ICDCIT-2024

**20th International Conference on Distributed Computing and Intelligent Technology**

**17th- 20th January, 2024**

**KIIT, Deemed to be University, Bhubaneswar, Odisha, India**

**http://www.icdcit.ac.in/**

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## Call for Papers

Since 2004, ICDCIT conference series has been a global platform for Computer Science researchers to exchange research results and ideas on the foundations and applications of Distributed Computing and Internet Technology. The rapid rise and adoption of Artificial Intelligence in all domains of science and engineering has prompted the introduction of "intelligent technology" in the scope of the conference. Undoubtedly, these technologies are critical to individuals and organizations who engage in the design, development and deployment of large scale systems incorporating AI based components and subsystems.

The 20th International Conference on Distributed Computing and Intelligent Technology (ICDCIT-2024) will take place in Bhubaneswar during 17th-20th January 2024. It will be organized by KIIT, Bhubaneswar, India. As in the previous years, proceedings of the conference are planned to be published by Springer in the series of Lecture Notes in Computer Science.

❖ **Best Paper Award, INR 50,000** (for both distributed computing and intelligent technology tracks).

❖ **Best Student Paper Award, INR 25,000** (for both distributed computing and intelligent technology tracks)

ICDCIT-2024 solicits original research papers contributing to the foundations and applications of Distributed Computing and Intelligent Technology in the following broad areas:

### Distributed Computing
- Autonomous Computing, Self-organization, and Self-stabilization
- Blockchain & Its Applications
- Cloud and Edge Computing
- Distributed and Cloud Storage
- Distributed and Concurrent Data Structures
- Distributed Auctions Algorithms
- Distributed Graph Algorithms
- Distributed Machine Learning Algorithms
- Distributed Operating Systems, Middleware, Databases
- Fault-tolerant Algorithms
- Game-Theoretic Approaches to Distributed Computing
- High-Performance, Cluster and Grid Computing and IoT Systems
- Memory Management
- Mobile Robots, Autonomous Agents, Programmable Particles, Nanoscale Robots, Biological Systems

- Multi-Agent Systems
- Parallel Multiprocessor and Multi-Core Architectures and Algorithms
- Peer-to-peer Systems, Overlay Networks
- Replication and consistency
- Security in Distributed computing, Cryptographic Protocols
- WSN, mesh, and ad hoc networks

### Intelligent Technologies
- Affective Computing
- AI and Formal Verification
- AI planning
- Authenticity, Honesty & Deception
- Automated Vehicles
- Business Analytics
- Computational Intelligence
- Cyber Physical Systems
- Deep Learning
- Engineering Intelligent Systems
- Ethics and AI
- Explainability in AI

- Federated Learning
- Health Care Systems
- Intelligent Manufacturing
- Intelligent Transport Systems
- Knowledge Management
- Knowledge Representation
- Machine Learning
- Machine Vision
- Metalearning
- Natural Language Processing
- Neuro-symbolic Computing
- Profiling and Social Networking
- Recommendation Systems
- Reinforcement Learning
- Robots
- Security Systems
- Sentiment Analysis
- Social Memory & Cognition
- Society of Apps
- Speech Technologies
- Topic Detection
- Trustworthy computing
- Constraint Satisfaction Problems

### Special Issue

Extended and revised versions of selected papers from the Distributed Computing track will be considered for a special issue of the international journal **Theoretical Computer Science (TCS)**.

## Paper Submission

Authors are invited to electronically submit their papers using **LNCS format** written in English, of up to 16 pages, presenting unpublished research results (not submitted elsewhere) or innovative practical applications including development of state of the art tools relevant to the conference theme. All submissions are to be done electronically, and submitted papers will be peer reviewed for possible inclusion in the conference proceedings expected to be published by Springer-Verlag as a volume of Lecture Notes in Computer Science.

**Note:** During the paper submission (on the easychair link given below), you will be required to choose one of the two tracks: Distributed Computing or Intelligent Technology. Please choose the track based on the topics mentioned above.

## Anonymous Submissions (Double Blind Review)

We are having anonymous submissions. A submission should not reveal the identity of the authors in any way. No names, addresses and affiliations should appear in the paper. Any references to their own related work should be in the third person (e.g., not "We build on our previous work …" but rather "We build on the work of …"). The purpose of this process is to help PC members and external reviewers come to an initial judgment about the paper without bias, not to make it impossible for them to discover the authors if they were to try.

The conference's double blind review process should avoid bias, yet nothing should be done in the name of anonymity that weakens the submission or makes the job of reviewing the paper more difficult. In particular, important references should not be omitted or anonymized.

Authors with further questions on double-blind reviewing are encouraged to contact the PC chairs by email. You are free to disseminate your work through ArXiv and other online repositories and give presentations on your work as usual.

**Format for paper preparation:** https://www.springer.com/gp/computer-science/lncs/conference-proceedings-guidelines. At least one of the authors of each accepted paper must register for the conference and present the paper in person at the conference.

### Papers are to be submitted through the Easychair:
https://easychair.org/conferences/?conf=icdcit2024

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| **August 07, 2023** | : *Abstract Submission, Anywhere on Earth (AoE)* |
| **August 14, 2023** | : *Submission of full papers (AoE)* |
| **October 09, 2023** | : *Paper acceptance notification to authors* |
| **October 19, 2023** | : *Final camera ready paper submission due* |
| **January 17th - 20th 2024** | : *Conference Date* |