

ICDCN 2019

January 4-7, 2019

www.icdcn.org

20th International Conference on Distributed Computing and Networking

Organizing Sponsor: Indian Institute of Science, Bangalore

Official Sponsors: ACM in cooperation with ACM SIGMobile and ACM SIGOps (Approval pending)

Important Dates

Abstract submission: ~~July 15, 2018~~
July 22, 2018 (extended)
Paper submission: ~~July 22, 2018~~
August 01, 2018(extended)
Notifications: September 20, 2018
Camera-Ready: October 26, 2018
Conference Dates: January 4-7, 2019
Venue: IISc, Bangalore
Conference Web: <http://www.icdcn.org>

General Co-Chairs

- R.C. Hansdah, IISc Bangalore, India
- Dilip Krishnaswamy, Reliance Jio Infocomm, India
- Nitin Vaidya, University of Illinois, USA

Technical Program Committee Co-Chairs

- **Networking Track:**
Paolo Bellavista, University of Bologna, Italy
- **Distributed Computing Track:**
Sriram V. Pemmaraju, University of Iowa, USA

Workshop Co-Chairs

- Sathya Peri, IIT Hyderabad, India
- Nirmalya Roy, Univ of Maryland – Baltimore County, USA

Industry Track Chair

- Dr. Balamurli P, TCS Innovation Labs, Bangalore, India

Tutorial Co-Chairs

- Arpita Patra, IISc Bangalore, India
- Mainak Chatterjee, University of Central Florida, USA

Panel Co-Chairs

- Mohan Kumar, Rochester Institute of Technology, USA
- Archan Misra, Singapore Management University, Singapore

PhD Forum Co-Chairs

- Bivas Mitra, IIT Kharagpur, India
- Yogesh Simmhan, IISc Bangalore, India

Demo Chair

- Salil Kanhere, University of New South Wales, Australia
- Prasant Misra, TCS Research and Innovation, Bangalore

Poster Chair

- J. Lakshmi, IISc Bangalore, India

Publicity Co-Chairs

- Luciano Bononi, University of Bologna, Italy
- Neeraj Mittal, University of Texas, Dallas, USA
- S. D. Madhu Kumar, NIT Calicut, India
- Hirozumi Yamaguchi, Osaka University, Japan

Local Organizing Committee Co-Chairs

- R. C. Hansdah, IISc Bangalore, India
- Dilip Krishnaswamy, Reliance Jio Infocomm, India

Steering Committee Co-Chairs

- Sajal K. Das, Missouri Univ of Science & Technology, USA
- Sukumar Ghosh, University of Iowa, USA

Call for Papers

Papers describing original research work and practical experiences/experimental results are solicited on topics that tentatively include, but are not limited to:

Distributed Computing Track

- Blockchain
- Concurrent data structures
- Distributed algorithms: design, analysis, and complexity
- Distributed operating systems
- Distributed database systems
- Embedded distributed systems, sensors and mobile
- Distributed robots
- Formal methods for distributed systems
- Experimental evaluation of distributed systems
- Fault-tolerance, reliability, availability
- Multiprocessor and multi-core architectures and algorithms
- Self-organization, self-stabilization, and autonomic computing
- High performance & grid computing
- Cloud computing and Big Data
- Security, cryptography, and game theory in distributed systems
- Internet-scale distributed systems

Networking Track

- 5G, ultra-dense networks, and next-gen networks and services
- Ad-hoc, sensor, PAN, mesh networks
- Backscatter, ultra-low power network
- Cognitive networking
- Data center and cloud networking
- Energy-efficient networking and integration with smart grids
- Internetworking protocols and Internet applications
- IoT and Cyber Physical Systems (CPS)
- Mobile Edge Computing (MEC)
- Mobile offloading
- Mobile pervasive computing and networking
- Network function virtualization (NFV), Software Defined Networking (SDN)
- Network security and privacy
- Next generation and converged network architectures
- Overlay & P2P networks and services
- Pricing and network economics

ICDCN 2019 is soliciting submissions as regular or short papers. At least one author of each accepted paper must register for the conference and present the paper. **Regular Papers** should not exceed 10 pages double column including figures, tables, and references in standard ACM format. Additional details may be included in a clearly-marked appendix (containing all technical ideas and proofs necessary for an expert to fully verify the claims of the paper) that will be read at the discretion of the program committee. **Short Papers** should not exceed 5 pages double column including figures, tables, and references in standard ACM format. Papers must be submitted electronically in printable PDF form via HotCRP submission management system. Some papers not accepted as regular papers may be accepted as short papers with 5 pages in the proceedings, while full papers will be allowed 10 pages.

Best Paper Award: ICDCN 2019 plans to award a Best Paper Award, independently for each of the two tracks. This award will be based on the paper's technical merit, the opinions of the reviewers, and the presentation quality at the conference.

Journal Special Issue: Authors of selected best papers in the Distributed Computing track will be invited to submit extended version of their papers for publication in the *Theoretical Computer Science* (TCS - A) journal. Authors of selected best papers in the Networking track will be invited to submit extended version of their papers for publication in the *Pervasive and Mobile Computing* (PMC) journal.

For inquiries, contact Local Organizing Committee Co-Chairs:

R. C. Hansdah (icdcn2019@gmail.com) or Dilip Krishnaswamy (dilip1@gmail.com)