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COMSNETS 2023
15th International Conference on COMmunication Systems & NETworkS
Hybrid Conference | 3 – 8 January 2023, Bangalore, India
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The 15th International Conference on COMmunication Systems and NETworkS (COMSNETS) will be held in Bangalore, India, during January 3 – 8, 2023. COMSNETS is a premier international conference dedicated to advances in Networking and Communication Systems. The conference will include a highly selective technical program consisting of submitted papers, a small set of invited papers on important and timely topics from well-known leaders in the field, and poster and demo sessions of work in progress. Additionally, focused workshops and panel discussions will be held on emerging topics to allow for a lively exchange of ideas. International business and government leaders will be invited to share their perspectives and will complement the technical program.

Topics of Interest:
The topics of interest include (but not limited to) the following:

- **Wireless**
  - 5G and wireless broadband networks
  - Technologies for 6-100 GHz spectrum
  - WLAN, RFID, and NFC
  - Visible light communications
  - Heterogeneous networks (HetNets)
  - Cognitive radio and white-space networking
  - CubeSats/Satellite networking
  - Long-range/Low-power wide-area wireless networking
  - Connected unmanned aerial/terrestrial/underwater systems
- **Data Center & Edge**
  - Enterprise, data center, and storage-area networks
  - Edge & Cloud computing/networking
- **Green Networking**
  - Economics of networks
  - Energy-efficient communications
  - Sustainable Networking

- **Architecture**
  - Network architecture, protocols & science
  - Traffic analysis and engineering
  - Caching and Content delivery systems
  - Information/Content centric networks (ICN)
  - Network management and operations
  - SDN/NFV and Network Programmability
  - Internet Measurement and Modeling
- **Mobility & IoT**
  - Mobility and location management
  - Mobile sensing
  - Vehicular networks and intelligent transportation
  - Internet of Things (IoT)
  - Smart Grid communications and networking
  - Machine Learning and AI in Networking & IoT
- **Blockchain & Security**
  - Network security and privacy
  - Trusted computing
  - Blockchain and Distributed Ledger
- **Testbeds**
  - Studies on testbeds and large-scale experimental platforms

In addition to research papers, COMSNETS is also interested in Experience papers that present the details and insights from real-life testbeds and/or large-scale experimental platforms around the research topics mentioned above. Such papers should provide detailed insights into (1) building the testbeds/platforms, (2) lessons learned and (3) implications for further research in the relevant domain. Experience papers shall follow the same submission process as the research papers with an "Experience:" prefix in the title.

Papers submitted to the main conference should be prepared in standard IEEE conference format and should contain no more than eight pages of technical content, plus one page of references. We will follow a single-blind review policy. Please check the conference website for more details.

COMSNETS provides generous travel grants to International student applicants who have an accepted paper in the conference. Please see the home page for details.

Conference Highlights

Research Keynote Speakers

Ashutosh Sabharwal — Rice University, USA
Margaret Martonosi — National Science Foundation, USA
Matti Latva-aho — University of Oulu, Finland
Saurabh Bagchi — Purdue University, USA

Banquet Speaker / Fireside Chat
OLA
Bhavish Aggarwal — Ola, India

- Keynote, Invited, and Banquet Talks
- Mentoring Sessions
- Technical Papers and Poster Sessions
- COMSJOB
- Graduate Research Forum
- Tutorial Sessions
- Panel Discussions
- Co-located Workshops
- Demos and Exhibits

Workshops
- Cyber Security and Privacy
- MINDS
- NetHealth
- Standards Driven Research
- TASIR
- Connected Vehicles
- & Autonomous Driving

Industry Keynote Speaker
Vita Bortnikov — IBM Research, USA

Invited Speakers
Varsha Apte — IIT Bombay, India
Baek-Young Choi — University of Missouri - Kansas City, USA
Satish K. — Nokia Bell Labs, Bangalore, India
Salil Kanhere — UNSW, Sydney, Australia
Gerald Karam — Nokia Bell Labs, USA
Debdoot Mukherjee — Meesho, India
Supratik Mukhopadhyay — Louisiana State University (LSU), USA
Dinesh Rajan — Southern Methodist University, USA
Mridula Singh — CISPA, Germany
Suhrid Wadekar — Goodwin Procter LLC, Boston,

Important Dates (Earlier submission is encouraged – All deadlines are firm)

	Main Conference	Posters	Demos & Exhibits	Workshops	Graduate Forum
Paper Submission	10 September, 2022	20 November, 2022	20 November 2022	20 November 2022	20 November 2022
Notification of Acceptance	01 November, 2022	5 December, 2022	5 December 2022	10 December 2022	5 December 2022
Camera-Ready Submission	15 November, 2022	15 December, 2022	15 December 2022	15 December 2022	15 December 2022

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