

COMSNETS 2025

17th International Conference on COMMunication Systems & NETworkS
 Conference | 6 – 10 January 2025, Bangalore, India
<http://www.comsnets.org>



General Co-Chairs

Suman Banerjee, University of Wisconsin, Madison, USA
 Debabrata Das, IIT, Bangalore, India
 Giovanni Pau, University of Bologna, Italy

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Serene Banerjee, Ericsson Research, Bangalore, India
 Somali Chaterji, Purdue University, USA
 Tadashi Okoshi, Keio University, Japan

Poster Co-Chairs

Dheryta Jaisinghani, University of Northern Iowa, USA
 Shantanu Pal, Deakin University, Australia
 Rohit Verma, Intel Labs, India

Demos and Exhibit Co-Chairs

Kaustubh Dhondge, Glaukes Labs, USA
 Alok Ranjan, Bosch, India
 Mridula Singh, CISPA Labs, Germany

Panel Co-Chairs

Sergey Gorinsky, IMDEA Networks, Spain
 Prasant Misra, TCS Bangalore, India
 Marina Thottan, Principal Research Scientist, AWS, USA

Graduate Forum Co-Chairs

Pragma Kar, Kalinga Institute of Industrial Technology, India
 Tanya Shreedhar University of Edinburgh, UK

Publication Co-Chairs

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 Mainack Mondal, IIT Kharagpur, India

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Undergraduate Forum Co-Chairs

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 Naman Dharmani, IIT Gandhinagar, India
 Amish Mittal, Microsoft Research, Bangalore, India

Workshop Co-Chairs

Sourav Kanti Addya, NIT Karnataka, Surathkal, India
 Anuradha Ravi, University of Maryland Baltimore County, USA

Women in Engineering Co-Chairs

D N Sujatha, BMSCE Bangalore, India

Standards-driven Research Workshop Co-Chairs

Pamela Kumar, Telecom STDs Development Society of India
 Sumit Roy, University of Washington, Seattle, USA

Quantum Technologies (WQT) Workshop Co-Chairs

M Girish Chandra, TCS Research, India
 Sourav Chatterjee, TCS Research & Innovation, India
 Nitin Jain, Technical University of Denmark, Denmark
 Rajiv Krishnakumar, QuantumBasel Switzerland

MINDS Workshop Co-Chairs

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The 17th International Conference on COMMunication Systems and NETworkS (COMSNETS) will happen in Bengaluru, India, from **January 6 – 10, 2025**. As a leading forum for the global Networking and Communication Systems community, COMSNETS 2025 aims to foster groundbreaking research, facilitate the exchange of ideas between academia, government, and industry, and promote advancements in the field.

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

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
 - Localization and Sensing
- **Data Center & Edge**
 - Enterprise, data center, and storage-area networks
 - Edge & Cloud computing/networking
 - Multimedia networking
- **Green Networking**
 - Economics of networks
 - Energy-efficient communications
 - Sustainable Networking
- **Dataset, Benchmarks & Testbeds**
 - Studies on Testbeds
 - Large-scale Experimental Platforms
 - Benchmarked Datasets
- **Network Architecture & Operations**
 - Network architecture, protocols & science
 - Traffic analysis and engineering
 - Caching and Content delivery systems
 - Network management and operations
 - SDN/NFV and Network Programmability
 - Internet Measurement and Modeling
 - Web applications and content distribution
- **Mobility & IoT**
 - Mobility Network Management
 - Mobile Sensing
 - Vehicular Networks
 - Internet of Things (IoT)
 - Smart Grid communications
- **Blockchain & Security**
 - Network security and privacy
 - Trusted computing
 - Blockchain and Distributed Ledger
- **Semiconductors and Digital Communications**
 - Inter- and intra-chip communication
 - Peripheral Interfaces (PCIe, USB, etc.)
 - Network-on-chip (NoC) Systems

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.

The COMSNETS main conference will now follow a double-blind review policy. Information about the authors will not be shared with the reviewers during the review process. The submitted paper should be anonymous and not have any reference to the authors names and/or institution. Authors are welcome to release their paper in a non-peer-reviewed location (such as a technical report by your institution or arXiv), but you should not broadcast information about the publication widely. For example, do not post it to large mailing lists or social media forums where PC members would easily encounter it, and do not do general press releases. Authors are also welcome to talk about their work (as work-in-progress) at local institutions. In either case, authors should be aware of PC members who might encounter the work and avoid sharing the work in a way that a PC member

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

Workshops

- Workshop on Machine Intelligence in Networked Data and Systems
- Cyber Security and Privacy Workshop
- Workshop on Standards-Driven Research
- QCom(P) Workshop: Workshop on Quantum Communication and Computing
- India Internet Governance Workshop (IIGW)
- Workshop on Advances in Autonomous Driving and Vehicular Networks (ADVnet)

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

	Main Conference	Posters	Graduate Forum
Paper Submission	15 September 2024	7 November 2024	8 November 2024
Notification of Acceptance	05 November 2024	5 December 2024	6 December 2024
Camera-Ready Submission	15 November 2024	15 December 2024	16 December 2024