



# 2025 National Conference on Communications

at the Indian Institute of Technology, Delhi, New Delhi



भारतीय प्रौद्योगिकी संस्थान जम्मू  
INDIAN INSTITUTE OF TECHNOLOGY JAMMU

NCC 2025 is organized jointly by IIT Delhi, IIIT Delhi, IIT Jammu and IIT Jodhpur  
March 6-9, 2025

## Call for Papers and Submissions

The National Conference on Communications (NCC) is the flagship conference of India in the area of Communications, Signal Processing and Networks. It has been organized every year, starting from the year 1995, by the Joint Telematics Group (JTG) of the Indian Institutes of Technology (IIT) and the Indian Institute of Science. More information on the previous editions of NCC can be found at <http://www.ncc.org.in/>. The 31st National Conference on Communications (NCC-2025) will be jointly organized by IIT Delhi, IIIT Delhi, IIT Jammu and IIT Jodhpur from March 6 to March 9, 2025. NCC-2025 will be held as in-person event at IIT Delhi. The conference will feature technical paper sessions, tutorials, technology demos and exhibits, workshops on emerging topics, plenary and invited talks by renowned researchers from around the globe. The conference will be meeting ground for researchers in academia and industry, graduate research students, standardization bodies, regulatory agencies, and telecom policy experts. Prospective authors are encouraged to submit their original research articles (not limited to the areas indicated) to the following four symposiums.

### Communications

Communication Theory and Systems  
Information Theory and Coding  
Wireless & Mobile Communications  
Physical-layer security  
New generation multiple access  
Intelligent (and holographic) surfaces  
Non-Terrestrial Communications  
Underwater Communications  
Smart Grid Communications  
Machine Learning for Communications  
Quantum communications and computing  
Molecular, biological and multiscale communications  
Quantum Communications  
Integrated sensing and communications

### Signal Processing

Adaptive signal processing  
Signal processing for communications  
Biomedical signal processing  
DSP implementation and architectures  
Graph signal processing  
Image and multimedia signal processing  
Secure signal processing  
Pattern recognition and machine learning  
Quantum signal processing  
Speech, audio and language processing  
Sparse signal processing

### Networks

5G/B5G/6G/next-generation networks  
Wireless and wireline networks  
Quantum networking  
Big data, machine learning for Networks  
Biological networks  
Cloud & fog/edge computing and networking  
Complex networks/ social networks  
Cyber-physical systems / IoT  
Network security and privacy  
Sensor and ad hoc networks  
Software-defined networking  
Network function virtualization

### RF and Optical

Microwave Devices and Meta surfaces  
Antennas and Phased Arrays  
Microwave/mm-Wave/THz Communication and Imaging  
Optimization and Machine learning aided design of Antennas and Microwave Components  
Radars and Remote sensing  
Simultaneous lightwave information and power transfer  
Optical communication and VLC  
Optical network security  
Free-space optical communication systems  
Optical interconnect technologies

## Paper Submission

Prospective authors are encouraged to submit original technical papers that have not been published or submitted elsewhere for publication in the conference proceedings and for presentation in the conference. Submitted papers in two columns format should be FOUR to SIX A4 size pages in length, should use font size no smaller than 10 points, and have margins on all four sides as per the IEEE conference format. All submitted papers will be **double blind peer-reviewed** for technical content and scope by a technical program committee. The paper submission process will be handled through EDAS, and the conference proceedings shall appear in IEEE Xplore. Detailed information on technical paper submission, tutorials, workshops, invited talks, accommodation and travel will be posted on the conference website.

### Important Dates

Paper Submission deadline: November 30, 2024  
Camera-ready Submission: January 30, 2025

Acceptance Notification: January 15, 2025  
Early bird Registration: February 5, 2025

For more information about the conference, please visit <http://ncc2025.iiitd.ac.in> or write to: [ncc25@ee.iitd.ac.in](mailto:ncc25@ee.iitd.ac.in)

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