



27th NATIONAL CONFERENCE ON COMMUNICATIONS

27—30 May 2021

Indian Institute of Technology Kanpur, Kanpur (INDIA)
Indian Institute of Technology Roorkee (INDIA)



CALL FOR PAPERS

The Twenty Seventh National Conference on Communications (NCC-2021) will be jointly organized by Indian Institute of Technology Kanpur and Indian Institute of Technology Roorkee, during 27—30 May 2021. The conference will be held virtually and will feature three symposium in the following areas:

COMMUNICATIONS

- * Communication theory and systems
- * Information theory
- * Coding theory
- * Wireless communications
- * RF and microwave communications
- * Satellite and space communications
- * Optical communications
- * Cognitive radio
- * Energy harvesting and green communications
- * Machine learning for communications
- * 5G and beyond communication systems
- * Edge communications
- * Quantum communications and computing
- * Molecular communications

NETWORKS

- * 5G / next-generation networks
- * Wireless and wireline networks
- * Optical networks and systems
- * Sensor and ad hoc networks
- * Complex networks
- * Cyber-physical systems / IoT
- * Biological networks
- * Social networks
- * Decentralized trust networks
- * Data center and cloud networks
- * Data center and cloud networks
- * Networks and services management
- * Performance analysis

SIGNAL PROCESSING

- * Signal processing for communications
- * Image and video signal processing
- * Multimedia applications
- * DSP algorithms and architectures
- * Speech and audio processing
- * Biomedical applications
- * Language identification
- * Machine learning, pattern analysis, and classification
- * Cognitive radio
- * High dimensional signal processing
- * Stochastic Optimization
- * Sparse signal processing
- * Graph signal processing
- * Applications in astronomy/astrophysics

PAPER SUBMISSION

Prospective authors are invited to submit original technical papers for publication in the NCC 2021 Conference Proceedings and for presentation at the Conference. Authors must submit their manuscripts using EDAS. All manuscripts will be double-blind reviewed for technical content and scope by a technical program committee. All submissions should be written in English with a maximum page length of SIX (6) printed pages. Papers should be in PDF format, two columns, (minimum 10-point font) or greater. The paper submission process will be handled through EDAS at <https://ncc2021.edas.info/>. NCC 2021 will be held at online for the first time. In the recent past, NCC has been technical sponsored by IEEE Communication Society. This year also we have applied for IEEE Communication Society Sponsorship.

Past Conferences:

- NCC2020 (<http://www.ncc2020.iitkgp.ac.in/>)
- NCC2019 (<https://ece.iisc.ac.in/~ncc2019/>)
- NCC2018 (<https://www.iith.ac.in/~ncc2018/>)
- NCC2017 (<http://www.ee.iitm.ac.in/ncc2017/>)
- NCC 2016 (<https://www.iitg.ac.in/ncc2016/>)



IMPORTANT DATES

- Paper Submission Deadline: ~~February 14, 2021~~ **February 28, 2021**
March 07, 2021 (Final deadline)
- Acceptance Notification: April 14, 2021

Conference Committee

Patron:

Abhay Karnadikar, Director, IITK
Ajit K Chaturvedi, Director, IITR

General Chair:

Adrish Banerjee IIT Kanpur
Rajesh Hegde IIT Kanpur
Sudeb Dasgupta IIT Roorkee

Technical Program Committee:

Ketan Rajawat IIT Kanpur
Debashis Ghosh IIT Roorkee
Rohit Budhiraja IIT Kanpur

Communications Symposium

Committee:

Abhishek Gupta IIT Kanpur
Meenakshi Rawat IIT Roorkee

Networking Symposium

Committee:

Thirumulanathan D IIT Kanpur
Nagendra P. Pathak IIT Roorkee

Signal Processing Symposium

Committee

K S Venkatesh IIT Kanpur
Vinod Pankajakshan IIT Roorkee

Special Session Committee:

Neelesh Mehta IISc Bangalore
Naren Naik IIT Kanpur

Tutorial Committee:

R K Bansal IIT Kanpur
Amalendu Patnaik IIT Roorkee
Srikrishna Bhashyam IIT Madras

Finance Committee:

Adrish Banerjee IIT Kanpur
Abhay K. Sah IIT Roorkee

Publications Committee:

Vipul Arora IIT Kanpur
Rajib K. Panigrahi IIT Roorkee

Web Committee:

A Mohapatra IIT Kanpur
S R Sahoo IIT Kanpur

Online Platform Committee:

Vipul Arora IIT Kanpur
P M Pradhan IIT Roorkee

Publicity Committee:

Y N Singh IIT Kanpur
Anshul Jaiswal IIT Roorkee

Registration Committee:

Govind Sharma IIT Kanpur
K Vasudevan IIT Kanpur

Sponsorship Committee:

Aditya Jagannatham IIT Kanpur
Dheeraj Kumar IIT Roorkee

CONTACT

Adrish Banerjee
Department of Electrical Engineering, IIT Kanpur.
E-mail: ncc2021@iitk.ac.in

