

Message from the Steering Committee

We are pleased to introduce the Fifteenth edition of the International Conference on COMMunication Systems and NETworkS (COMSNETS), a milestone event. The conference has seen a couple of tumultuous years when the conference went virtual due to Covid-19, but resumed with an in-person event last year and continued through this year. The conference this year saw a high-quality submission pool, from which a strong technical program was drawn for oral and poster presentations. The conference continues to offer graduate forum for students, and Demos & Exhibits session where many start-ups, universities and established companies provide examples of research-in-action with working prototypes or commercialized products. COMSNETS'23 includes three panel discussions on current and exciting topics. The conference continues to employ a hybrid participation model, where in-person and remote attendees can interact using the virtual facilities offered by the Indian telecollaboration company Airmeet. That being said, a record number of in-person attendees will be at the conference this year. COMSNETS continues to host several workshops that cover diverse topics. The 2023 edition of the conference boasts of four continuing workshops in the following areas - Machine Intelligence in Networked Data and Systems (MINDS), Cyber Security and Privacy, Networking Humanitarian Technology for Healthcare (NetHealth), and Standards-driven Research. Moreover, for the first time the conference is hosting workshops in the emerging areas of Connected Vehicles and Autonomous Driving (CVAD) and Testbeds for Advanced Systems Implementation and Research (TASIR).

The conference will once again have a tutorial session for the third straight year. In addition, the conference will be hosting the fourth annual Women-in-Engineering (WiE) workshop. Moreover, the COMSJOB session will be held to enable sponsoring organizations to connect with potential recruits for open positions.

We are particularly grateful to the Chancery Pavilion Hotel, Bangalore for hosting the conference once again. We are also grateful to the JW Marriott Hotel, Vittal Mallya Road, Bangalore for providing accommodations to the attendees while the Chancery guest accommodations were being upgraded.

The COMSNETS 2023 organizing committee is drawn from a pool of top researchers in the communications area from around the world. We are extremely grateful to the distinguished General Co-Chairs - Prof. Monisha Ghosh (University of Notre Dame, USA), Prof. Swarun Kumar (Carnegie Mellon University, USA) and Prof. Neelesh Mehta (Indian Institute of Science). We also recognize the diligent efforts of the Technical Program Committee Co-Chairs - Dr. Veena Mendiratta (Northwestern University, USA), Prof. Vinay Ribeiro (IIT Bombay, India), and Dr. Marina Thottan (Amazon Web Services, USA). The General Chairs, TPC Chairs, the Technical Program Committee, Workshop Chairs, Panel Chairs, Poster Chairs, Tutorial Chairs, Women in Engineering (WiE) Chairs, Graduate Forum Chairs, Demos & Exhibits Chairs, Travel Grant Chairs, Publicity, Social Media Chairs & Publications Chairs, Web Chair, Local Arrangements and the Registration Chairs have worked hard and put together an outstanding program for this year's conference. We would like to sincerely thank Ms. Chandrika Sridhar and Ms. Sushma Srinivasan for their support of the conference, and Mr. Raj Sharma for his continued leadership of the conference's local arrangements, including, IT and Virtual Platform. Raj was ably assisted by Sourav Bansal and Manav Bansal from IIT Delhi and by Ananda Krishna from Astra Securities. Our very special thanks to Ms. Pragma Kar of Jadavpur University for her outstanding contribution as the conference Web Chair. Pragma has put in a lot of time and

effort throughout the year and we are extremely grateful to her. Mrs. Chandrika Sridhar, Mr. Raj Sharma and Ms. Pragma Kar have been the three pillars of the COMSNETS'23 conference. We sincerely appreciate their contributions.

The conference continues to benefit from several industrial sponsors and university partners. We give a special note of gratitude to this year's Platinum Sponsor - TCS Research, and Gold Sponsors - Qualcomm and Nokia Bell Labs. We are sincerely grateful to our Silver Sponsors - Google, Cisco, Microsoft, IBM and for the first time Ola. In addition, we sincerely appreciate our Bronze Sponsors - Tejas Networks, Singapore Management University, Zentree Labs, Glaukes Labs, 21CC Education, dozee, IIT-Bombay COMET Foundation, and IIT-Hyderabad TiHAN Foundation. This time, several promising start-up companies have come out and supported COMSNETS and we are truly grateful to these companies.

We are delighted to continue our relationship with IEEE who are the technical co-sponsors of COMSNETS again through the IEEE Communications Society. We are very grateful to ACM for their continued support, through the SIGCOMM and SIGMOBILE Special Interest Groups. ACM SIGCOMM, ACM SIGMOBILE, ACM India Council along with TCS Research care also underwriting travel grants this year, of which not only the organizers of the conference but many attendees are highly appreciative. The Ministry of Electronics and Information Technology (MeitY), Government of India and the Department of Telecommunications (DoT), Government of India are important partners of the conference. MeitY and DoT have been extremely supportive of the conference all these years and we are very grateful to them.

We also are happy to continue collaboration with conference partners 14 Trees, TSDSI and IEEE Future Networks Society. Arista has kindly agreed to be the conference WiFi partner again, along with the publications partner River Publishers.

We are delighted to have the University of Queensland/IIT-Delhi (UQ IITD) Academy of Research, the University of Pennsylvania, Singapore Management University, Louisiana State University, Plaksha University, IISc Bangalore, IIT Delhi, IIT Bombay, IIT Hyderabad, IIT Kanpur, IIT Kharagpur, IIT Madras, IIT Jammu, IIIT Delhi, IIIT Bangalore, IIIT Hyderabad, BMS College of Engineering, Korea Advanced Institute of Science and Technology, and the Dhirubhai Ambani Institute for Information and Communication Technology as university partners.

Finally, we would like to appreciate our 17 student volunteers. The volunteers serve as the backbone of the conference, particularly during the actual event. Their assistance in ensuring a smooth experience for both in-person and remote attendees is invaluable.

We welcome you to COMSNETS 2023, and hope that you are able to take full advantage of all this conference has to offer - whether you are attending in person or remotely.



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