Message from the COMSNETS Steering Committee

It gives us great pleasure to introduce the Seventeenth edition of the International Conference on COMmunication Systems and NETworkS (COMSNETS). As usual the conference this year has benefitted from a high-quality submission pool, which allowed for a strong and relevant technical program. The conference continues to offer poster session for emerging research, a graduate forum for students, and a Demos & Exhibits session where many start-ups, universities and established companies provide examples of research-in-action with working prototypes or commercialized products. COMSNETS continues to host several workshops that cover diverse topics. The 2025 edition of the conference includes continuing workshops in the following areas – Machine Intelligence in Networked Data and Systems (MINDS), Cyber Security and Privacy, Indian Internet Governance (IIG), Workshop on Quantum Technologies (WQT), Standards-Driven Research (SDR), and Advances in Autonomous Driving and Vehicular Networks (ADVNET). In addition, new workshops on Systems for the Future of AI-ML (SysAI) and Securing and Managing Advanced Technologies for Industry 4.0 (SAMAT) have been introduced in the program.

The conference will be hosting the sixth 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. In addition, we are happy to welcome the Entrepreneur Ignite Summit (EIS) for the 2nd year. This event has proven to be a great venue for connecting budding startup founders with experienced venture capital professionals. We are also pleased to hold an Undergraduate Research Forum for the first time.

We are particularly grateful to the Chancery Pavilion Hotel in Bangalore for hosting the conference once again. This long-standing partnership between COMSNETS and the Chancery Pavilion Hotel is one that we hope will continue for future editions of the conference.

The COMSNETS 2025 organizing committee is once again composed of top researchers in the communications area from around the world. We are extremely grateful to the distinguished General Co-Chairs – Prof. Suman Banerjee (The University of Wisconsin - Madison, USA), Prof. Debabrata Das (IIIT-Bangalore) and Prof. Giovanni Pau (University of Bologna - Italy). We also recognize the extensive efforts of the Technical Program Committee Co-Chairs – Dr. Serene Banerjee (Ericsson Research, India), Prof. Somali Chaterji (Purdue University, USA), and Prof. Tadashi Okoda (Keio University, Japan). The General Chairs, TPC Chairs, the Technical Program Committee, Workshop Chairs, Panel Chairs, Poster Chairs, Graduate Forum Chairs, Undergraduate Research Forum Chairs, WiE Chairs, Demos & Exhibits Chairs, Social Media, Publicity & Publications Chairs, Local Arrangements and the Registration Chairs have worked hard and put together an outstanding program for this year's conference. We would like to thank Mrs. Chandrika Sridhar and Mr. Raj Sharma for their continued support of the conference. Our special thanks to the conference Web Co-Chairs: Kaushik Chowhan (IIT-Gandhinagar), Debasree Das (Otto Friedrich University – Germany), and Salma Mandi (IIT-Kharagpur). The web co-chairs have worked really hard throughout the year and deserve a special mention!

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 Qualcomm, and Gold Sponsors – TCS Research, IITB COMET Foundation, ARTPARK (IISc Bangalore), Tejas Networks and Ola. We are sincerely grateful to our Silver Sponsors - Google, IBM, Microsoft, Ericsson,

Adobe, WiSig Networks, Witmer. In addition, we truly appreciate our Bronze Sponsors – Deakin University, Singapore Management University (SMU), Quantum AI Global, Quantum Basel, Qruise and Nixi.

We are delighted to have several universities from India and abroad as university partners. 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 grateful to ACM for their continued support, through the SIGCOMM and SIGMOBILE special interest group. We would also like to recognize this year's conference partners: Bharat 6G Alliance, 14 Trees (who also are providing the speaker mementoes), IEEE 5G/6G Innovation Testbed, IEEE Computer Society – Bangalore chapter, Quantum Ecosystems Technology Council of India, and IIIT-Surat. Our very special thanks to the conference partners from the Government of India – the Ministry of Electronics and Information Technology (MeitY) and the Department of Science & Technology (DST).

Finally, we would like to appreciate our energetic student volunteers. The 16 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. Our special thanks to Debasree Das, Salma Mandi, Kaushik Chowhan, Manoj Kumar CM, Poorvi Deshpande, Naman Dharmani, Ishaan Gakhar, Nilesh Kumar, Umang Majumder, Akhila N, Naman Pant, Satvik Rajesh, Adarsh Singh, Harsh Vardhan, Ojaswa Varshney and Shankaradithyaa Venkateswaran.

We welcome you to COMSNETS 2025, 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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