

Message from the General Chairs

It is a pleasure to welcome everyone to COMSNETS 2025 from 6th to 10th January 2025. The conference is in its 17th edition and over the years has established itself to be a global conference that serves a unique role and to the broad community. It has been described as a valuable “watering hole” for researchers from across the world. It brings together academics, industry practitioners, and policymakers enabling synergistic technical engagement.

This year’s COMSNETS is the biggest ever, in registrations (crossing 450 registrations as we write this message — with attendees from all over the globe), paper submissions, and sponsorship levels. We, the general chairs, have been involved with COMSNETS over the years in different roles. However, serving in our current role allowed us to realize the magnitude of the holistic effort in organizing this extraordinary event. It is a labor of love of many old faithfuls complemented with fresh energy brought forward by many new and enthusiastic organizers. To be honest, our job as general chairs has been to mostly assist in assembling the quality team that makes everything happen, and then not get in the way of the frenzy of activities that ensue.

First, a bit about the overall program. The lineup of keynote and invited speakers represent some of the top thought leaders in our disciplines. Specifically, the three keynote talks headline each of the days of the main conference delivered by Ranveer Chandra (Microsoft), Kiran Kuchi (IIT Hyderabad), and Nina Taft (Google) on diverse topics such as smart agriculture, 5G/6G systems, and user privacy. Deepak Bansal (Microsoft) will engage the audience in a banquet talk around the challenges of scaling Microsoft’s Azure platform. In addition, a set of ten invited speakers will describe cutting-edge research, technologies, and related challenges on a wide variety of topics ranging from AI infrastructure and models, satellite systems, security and privacy, cyber-physical systems, edge computing, and more. These talks are complemented further by a set of three panels which will enable a healthy debate among the panelists and attendees. Finally, a number of technical papers form the backbone of the main conference, again across a range of topics of broad interest. There is something in the program for everyone.

Interestingly, the COMSNETS program is not all about the main conference alone. There are a number of exciting events — eight workshops, demonstrations, technical exhibits, poster sessions, entrepreneurial events, graduate and undergraduate forums, mentoring sessions for students, women in engineering, and a specific industry-academia research track as well.

While the above is likely to whet the technical appetite of the participants, enthusiasts in the organizing team have incorporated a component to enable physical well-being as well, in the form of the COMSNETS 2025 5K Run, where everyone is invited to run, walk, or stroll in an attempt to keep us a bit more mobile. This nascent tradition emerged last year and we hope to keep it going in the years to come. Finally, there are a number of casual social events planned, including the welcome reception, the banquet (replete with a musical band), and the “chai” breaks to strengthen old friendships and forge new ones.

As general chairs, we would like to thank a large group of people and organizations. First and foremost, we would like to thank the various sponsors of the event — ACM SIGMOBILE, ACM India, Qualcomm, TCS Research, IITB COMET Foundation, Artwork, Tejas Networks, OLA, Google, Microsoft, IBM, Ericsson, Adobe, Wisig Networks, Witmer, Deakin University, Singapore Management University, Quantum AI, Quantum Basel, Qruise, and Nixi. We are also thankful to ACM Sigcomm, IEEE Communications Society, Government of India’s Ministry of Electronics and Information Technology and Department of Science and Technology for their support.

Next, we want to thank the entire organizing committee for their extraordinary dedication, effort, and focus. The steering committee led by Rajeev Shorey (IIIT Surat) and Giri Mandayam (MediaTek) who have transformed organizing COMSNETS into an art-form of the highest level. They have led the charge of raising the highest level of sponsorship for this year’s event, which is deeply appreciated. Next, the finance chairs (Chandrika Sridhar and Raj Sharma) also deserve special mention for their unyielding attention to detail on organizational matters. The web chairs (Kaushik Chauhan, Debasree Das, and Salma Mandi) have been incredible in updating the webpages of the

conference and making sure the steady stream of updates are routinely and promptly updated. Similarly, the technical program co-chairs (Serene Banerjee, Somali Chaterji, and Tadashi Okoshi) have been deeply engaged in making sure the technical program is strong, ensuring that all submitted papers receive high quality reviews, and making sure the core of the conference is engaging for the audience. The rest of the committee has been equally adept and impactful and for that we are grateful.

We would also like to thank the authors of all submitted artifacts — to the conference, workshops, poster and demo sessions, entrepreneurship events, and more, for considering the conference to be worth of your work. It is through your effort the conference grows in esteem and quality every year. Finally, we would like to thank all of the attendees of the event who really form the heart and soul of the event.

COMSNETS 2025 has been an exciting journey for us. We have collectively spent many hundreds of hours together and it all culminates in the five days of a truly impactful event. We hope the event inspires everyone technically, to dream big, and think of the impossible. We look forward to meeting all of you at the conference and hope you have a wonderful time at this annual event.

Sincerely,



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General Chairs, COMSNETS 2025