

IEEE GLOBECOM 2022 General Chair Welcome Message

On behalf of the Organizing Committee, we have been delighted to welcome you to the IEEE Global Telecommunications Conference (GLOBECOM 2022). The conference was held in Rio de Janeiro, Brazil from 4 to 8 December 2022. IEEE GLOBECOM is one of the two flagship conferences of the IEEE Communications Society (IEEE ComSoc). It is a premium event that brings together the best researchers and professionals from academic, industry and government to exchange novel ideas that will shape future generations of communication technologies. IEEE Globecom 2022 featured striking advances in communications research and industry development, which will certainly lead to new systems and networks and bring humanity to a new World, still unimaginable. The theme of Globecom 2022 “Accelerating the Digital Transformation through Smart Communications” reflects the fundamental role of intelligent communications in enabling dynamically adaptive societal systems.

Globecom 2022 was held in hybrid mode with an in-person program on the conference venue and a simultaneous virtual program, both presenting all papers and corresponding videos. Moreover, Keynotes, Panels and some special sessions were live streamed. This Globecom 2022 program clearly shows that conferences are moving away from the virtual format forced by the pandemic. Globecom 2022 received over 2,800 papers submissions to the technical symposia and over 600 to workshops, a record number in the past five years. The ratio of remote to in-person participants was about 1.2. The rich Globecom 2022 program included 13 Symposia featuring over 1,000 papers, 18 workshops, 32 tutorials, 8 keynotes, 3 executive fora, 18 panels, 26 industry talks, 3 invited industry talks and 20 demos. We thank all authors, reviewers, TCP members, chairs, and presenters for making Globecom 2022 an outstanding and memorable conference.

Globecom 2022 is the second ComSoc flagship conference held in Latin America. The first Globecom was also held in Rio de Janeiro in 1999. Rio de Janeiro, also known as the marvelous city, is one of the most visited cities in the Southern Hemisphere. It is known for its natural scenery, as well as cultural aspects, such as carnival, samba, and the Bossa Nova. Beaches. Other famous landmarks include the giant statue of *Christ the Redeemer* atop Corcovado mountain, recently selected as one of the New Seven Wonders of the World; Sugarloaf Mountain. Rio also has the two largest urban forests in the world and the Carioca Landscapes between the Mountain and the Sea is a UNESCO World Heritage Site.

Our heart-felt gratitude goes out to all attendees, as well as the Technical Program Committee, the Organizing Committee, ComSoc staff, our Professional Conference Organizer and all those who made Globecom 2022 such a successful reality. Our special thanks go also to our Patrons, that strongly supported our conference. Thank you!

Nelson L. S. da Fonseca, General Chair

José Roberto B. da Marca, Honorary Chair

Stefano Bregni, Vice General Chair

Lisandro Z. Granville, Executive Chair