



**CALL
FOR
PAPERS**

IEEE Virtual Conference on Communications

3–5 December 2024 // Virtual Conference

ieee-vcc.org

IEEE VCC

IEEE ComSoc

Organizing Committee

General Co-Chairs

Rolland Vida, Budapest University of Technology and Economics, HU

Fabrizio Granelli, University of Trento, IT

TPC Co-Chairs

Francisco Falcone, Public University of Navarra Spain

Nadjib Achir, INRIA, FR

Dimitrie C. Popescu, Old Dominion University, Norfolk, Virginia, USA

Finance Chair

Ricardo Veiga, University of Buenos Aires, AR

Keynotes Co-Chairs

Sumei Sun, Institute for Infocomm Research, Singapore

Theodore (Ted) Rappaport, New York University, USA

Panels Chair

Neeli Prasad, SmartAvatar B.V.

Tutorials Co-Chairs

Romano Fantacci, University of Florence, Italy

Xianbin Wang, Western University, Canada

Publications Co-Chairs

Debashri Roy, University of Texas at Arlington, USA

Paolo Casari, University of Trento, Italy

Publicity Co-Chairs

Humphrey Muhindi, SEACOM, Kenya

Hsiao-Chun Wu, Louisiana State University, USA

Augusto Neto, Federal University of Rio Grande do Norte, BR

Cesar Vargas-Rosales, Tecnológico de Monterrey, Mexico

IMPORTANT DATES

Submissions Deadline: 1 August
Acceptance Notification: 1 October
Camera-Ready Submission: 1 December

Now in its second edition, the IEEE Virtual Conference on Communications (IEEE VCC) is part of a fully virtual conference series initiated by the IEEE Communications Society that aims at enabling researchers from academia and industry to present their recent scientific results and engage in conducive interactive discussions with fellow researchers working in their fields, while alleviating the stress associated with travel to traditional conferences (obtaining travel funds and visas, making travel arrangements, etc.). One of the main goals of the virtual conference format is to encourage submissions from researchers located in low-income countries who cannot afford expensive conference travels, and as a consequence, registration fees will be reduced to significantly lower rates than for traditional in-person conferences.

Technical papers should be at most 6 pages long, using the standard IEEE double-column format, and should be submitted via EDAS. All the accepted papers will have to be presented at the conference via pre-recorded talks and live Q&A sessions that will be included in the conference proceedings that will be published in IEEE Xplore. Besides the technical papers, the conference will feature a rich program that includes keynote talks, panel discussions, and tutorials involving well-known experts from industry and academia. IEEE VCC 2024 solicits original technical paper submissions on the hottest topics in communications and networking, including but not limited to the following areas:

- 5G/6G Systems and Networks
- Antennas, Propagation, and Channel Modeling
- Artificial Intelligence and Big Data for Communications
- Cloud Communications and Data-Center Networks
- Coding/Decoding Theory and Techniques for Communications
- Cognitive Radio and Dynamic Spectrum Access
- Communication and Information Theory
- Edge Computing, Edge Intelligence, and Fog Networks
- Energy Efficient Communications and Computing
- Image, Speech, and Signal Processing for Communications
- Integrated Sensing and Communications
- Internet of Things
- Massive MIMO and Cell-Free Massive MIMO
- Millimeter-Wave, Sub-Terahertz, and Terahertz Communications
- Molecular and Nanoscale Communications
- Network Applications, Services, and Management
- Network Architecture, SDN, NFV
- Next-Generation Multiple Access Schemes
- Next-Generation Physical, Link, and Network Layers Techniques
- Optical Communications and Networks
- Performance Evaluation, Simulation, Testbeds and Prototypes
- QoE/QoS Support and Cross-Layer Design
- Quantum Communications and Computing
- Reconfigurable Intelligent Surfaces and Holographic Surfaces
- Satellite and Space Communications
- Security, Privacy, Trust and Blockchain
- Semantic and Goal-Oriented Communications
- Smart Grids and Energy Networks
- Underground and Underwater Communications