

19-22 OCTOBER 2025 | CHENGDU, CHINA

Track 1: Airborne and Maritime Mobile Systems and Services

Track 2: Antenna Systems, Propagation, and RF Design

Track 3: Electric Vehicles, Vehicular Electronics, and Intelligent Transportation

Track 4: Emerging technologies, 6G and beyond

Track 5: Green Communications and Networks

Track 6: IoV, IoT, M2M, Sensor Networks, and Ad-Hoc Networking

Track 7: Machine Learning and AI for Communications

Track 8: Multiple Antennas and Cooperative Communications

Track 9: Positioning, Navigation, and Sensing

Track 10: Signal Processing for Wireless Communications

Track 11: Spectrum Management, Radio Access Technology, Services and Security

Track 12: Vehicular Cooperation and Control, Assisted and Autonomous Driving



Track 1: Airborne and Maritime Mobile Systems and Services

Topics of Interest

Channel modeling for Unmanned aerial vehicles (UAV)-ground and UAV-UAV communications; Channel modeling for underwater communications; Network architecture and protocols for connected UAVs and Autonomous Underwater Vehicles (AUVs); Spectrum sharing and coordination for UAV/AUV communication systems; UAV and AUV-enabled IoT; Path planning for UAV/AUV; Field measurement and prototype for UAV/AUV systems; Physical layer security for UAV and AUV Communications and networking; Maritime mobile communications and services; Blockchain for connected UAV/AUV; Space-air-ground-sea integrated communications and networking; Broadband over satellite; Channel models for satellite communications; Cooperative deep space communications; Digital broadcasting over satellite networks; IP over satellite; Mobile satellite communication systems; Satellite on-board-processing.

Track Co-Chairs

Güneş Karabulut-Kurt, Polytechnique Montréal, Canada

Quan Yuan, Beijing University of Posts & Telecommunications, China

Koichi Adachi, The University of Electro-Communications, Japan

Important Dates

Paper submission deadline: **15 March 2025**

Acceptance notification: **15 May 2025**

Final paper submission deadline: **12 June 2025**

Submission Instructions

Prospective authors are invited to submit 5-page, original, and unpublished full papers. A full paper can be up to 7 pages in length, just note that papers longer than 5 pages will require the purchase of additional page charges at the time of registration and final paper submission.

Paper submission is open: <https://vtc2025fall.trackchair.com/track/2345/submit>