EuCNC | 6G Summit

Málaga, Spain ▪ 2-5 June 2026

6G, Connecting Intelligence

www.eucnc.eu

CALL FOR PAPERS

Steering Committee Chairs
Luis M. Correia, IST - U. Lisbon, PT (Chair)
Pavlos Fournogerakis, SNS JU, BE (Vice-Chair)
Matti Latva-aho, U. Oulu - 6G Flagship, FI (Vice-Chair)

Technical Programme Chairs
Pedro Merino-Gómez, U. Malaga, ES
Ivan Seskar, Rutgers U., US
Ari Pouttu, U. Oulu – 6G Flagship, FI

Track Co-Chairs

PHY - Physical Layer and Fundamentals
Mikko Uusitalo, NOKIA, FI
Mari Carmen Aguayo-Torres, U. Malaga, ES
Aggelos Bletsas, Rutgers U., US

WOS – Wireless, Optical and Satellite Networks
David Larrabeiti, UC3M, ES
Alessandro Vanelli-Coralli, U. Bologna, IT
Chia-Pang Yen, ITRI, TW

NET – Network Softwarisation
Anna Brunstrom, Karlstad U., SE
Johann Marquez-Barja, imec -U. Antwerp, BE
Paul Ruth, U. North Carolina, US

AIU – Applications, IoT, Use cases
Marc Emmelmann, Fraunhofer FOKUS, DE
Almudena Díaz, U. Malaga, ES
Tingjun Chen, Duke U., US

OPE – Operational & Experimental Insights
Spyros Denazis, U. Patras, GR
David Gomez-Barquero, UPV, ES
Aloizio Da Silva, Virginia Tech, US

AI4C – AI/ML Solutions for Communications
Daniel Kilper, Trinity College Dublin, IE
Valerio Frascolla, Intel, DE
Jongwon Kim, GIST, KR

SAQ – Security Aspects and Quantum Communications
John Preuß Mattsson, Ericsson, SE
Javier Lopez, U. Malaga, ES
Vuk Marojevic, Miss. State U., US

NVS – Next-Generation Visions & Sustainability
Marja Matinmikko-Blue, U. Oulu – 6G Flagship, FI
Christoph Schmelz, NOKIA, DE
Carlos E. Caicedo Bastidas, Syracuse U., US

CMA Components, Microelectronics, Photonics & Antennas
Luís Manuel Pessoa, INESCTEC - U. Porto, PT
Nuutti Tervo, U. Oulu – 6G Flagship, FI
Ashutosh Dutta, U. Johns Hopkins, US

Panels Co-Chairs
Håkon Lønsethagen, Telenor, NO
Özgü Alay, U. Oslo, NO

Special Sessions Co-Chairs
Čedomir Stefanović, AAU, DK
Nurul Huda Mahmood, U. Oulu - 6G Flagship, FI
Filipe Cardoso, Polytech. Inst. Setubal, PT

Workshops Co-Chairs
Diego López, Telefonica, ES
Germán Madueño, Keysight Technologies, ES
Beatriz Lorenzo, U. Mass. Amherst, US

Tutorials Co-Chairs
Paweł Sroka, PUT, PL
Mir Ghoraishi, Gigasys Solutions, UK
George Sklivanitis, Florida Atlantic U., US

Exhibitions Co-Chairs
Javier García, Telefonica, ES
Michael Dieudonne, Keysight Technologies, BE
Pablo Herrera, U. Malaga, ES

IEEE ComSoc Liaison
Stefano Bregni, POLIMI, IT

COST Liaison
Ralph Stübner, COST, BE

URSI Liaison
Sana Salous, Durham U., UK

EurAAP Liaison
Jose Molina Garcia Pardo, U. Cartagena, ES

EURASIP Liaison
Eva Lagunas, U. Luxembourg, LU

Key dates:

2026-Jan-23: Paper submission deadline
2026-Mar-30: Paper acceptance notification
2026-Apr-10: Final papers deadline

The 2026 EuCNC & 6G Summit builds on two successful conferences in the area of telecommunications: EuCNC, in its 35th edition, supported by the European Commission, and the 6G Summit, in its 8th edition, originated from the 6G Flagship programme in Finland, one of the very first in its area. The conference is sponsored by the IEEE Communications Society (ComSoc), the European Association for Signal Processing (EURASIP) and the European Association on Antennas and Propagation (EurAAP), and is supported by the European Commission. The conference addresses various aspects of Beyond 5G/6G communication systems and networks. It brings together cutting-edge research and world-renown industries and businesses, attracting in the last years close to 1000 delegates from more than 40 countries to present and discuss the latest results, and more than 70 exhibitors to demonstrate the technology developed in the area, with focus on research projects from EU R&I programmes.

PHY - Physical Layer and Fundamentals
Beyond 5G & 6G and THz communications
Reconfigurable radios and new radio heads
Massive, Ultra-Massive, extreme, and fluid MIMO
Cell-free and distributed massive MIMO
Propagation & channels at cm, mm Waves & THz
New air interfaces, waveforms, modulation & coding techniques
Next generation multiple access (SDMA, NOMA, RSMA)
Reconfigurable Intelligent Surfaces
Integrated sensing and communication

WOS – Wireless, Optical and Satellite Networks
Beyond 5G & 6G access, metro and core networks
Spectrum management and reutilisation
Advances in M2M, WSN, IoT networks
Novel architectures and protocols for passive optical networks
Control planes for access/metro/wireless (converged) networks
Optical wireless communications
3D RAN and non-Terrestrial Networking
3D Networks management and orchestration
Integrated Communication and Sensing in NTN
NTN positioning and GNSS free communications
vLEO satellite systems and networks
Communications for unmanned platforms (UxV)
TSN for industrial communications
Green wireless/optical/satellite networks
Integrated Sensing and Communications (ISAC)
Optical performance monitoring
Radio over fibre
RAN and End-to-end Slicing & QoS
Distributed LLM training/inference support by 6G
Multiband networking

NET – Network Softwarisation
Full-stack automation and orchestration
Programmable networking
Network and Connectivity as a Service
Network digital twin
Cloud-Native RAN, OAMs and Edge Computing
CI/CD/DevOps methodology for RAN
Open RAN and Realtime RAN Control
Event-driven network programming
Dynamic network slice management
Sustainability in networking
Zero-touch management of Beyond 5G/6G services
Cloud and Edge networking and infrastructure
Open-source virtualized service platforms
Blockchain in networking
Monitoring and analytics in softwarised networks

AIU – Applications, IoT, Use cases
Environmental sensing in rural and extreme environments
IoT architectures and management techniques
Critical communications and public safety
Digital health and wellbeing
Emerging Trends in IoT Applications
Augmented and mixed reality
Autonomous driving and V2X solutions
Factory automation and industrial IoT solutions

OPE – Operational & Experimental Insights
Beyond 5G and 6G trials and experiments
Open implementations, testbeds and experiments
Evaluation and analysis of experimental data
Deployment and integration insights from verticals
Plug-and-play deployments and experiments
Network forensics & network instrumentation

AI4C – AI/ML Solutions for Communications
AI/ML in the PHY and MAC Layer
AI/ML for wireless/optical/satellite networks
Federated learning and distributed ML for communications
AI/ML-native communications
AI/ML-based resource and network optimization
Semantic communications
LLMs for wireless networks
GANs in networking
Network digital tweens for AI/ML
Edge learning in wireless networks
RAN intelligence and data-driven networking
Observability and business intelligence in RAN
Datasets and frameworks enabling AI/ML in networks

SAQ – Security Aspects and Quantum Communications
Information theoretic security
Physical layer security
Network security and cybersecurity trends
Cross-layer and zero-touch security
Security threats for AI/ML
Post-Quantum security
Quantum communications & networks
Quantum error correction and mitigation

CMP – Components, Microelectronics & Photonics
Antenna & RIS system, design, packaging & integration
RF front-end and mm Wave/THz techniques
Low power silicon RF, including wake-up
Next generations DSP, incl. RISC V & ASIP
Edge AI component technologies
Optoelectronic integration and fibre/wireless interfaces
Digital HW architecture for ultra-high speed & latency PHY
New component technologies, including photonics
MIMO, OTA and 6G antenna testing
Circuits, techniques and architectures for full-duplex
Transceivers and architectures for ICAS or full-duplex
Hardware design for sustainability and energy-efficiency
Modelling and Mitigation of RF Hardware Impairments

NVS – Next-generation Visions and Sustainability
Vision, use cases, associated requirements, and emerging technology trends for 6G
6G value indicators, performance indicators, interlock metrics
6G business studies and/or regulatory perspectives
6G ecosystem sustainability including relevant vertical aspects
6G coverage and resilience enhancing mechanisms and aspects