**Call for Papers**

EuCNC 2015 is the 24th edition of a successful series of a technical conference in the field of telecommunications, sponsored by the European Commission. The conference focuses on communications systems and networks, reaching applications and services. It targets to bring together researchers from all over the world to present the latest research results in networks and communications and the new developments in this field, and it showcases the results of projects from successive European R&D programmes co-financed by the European Commission. Accepted and presented papers will be published in the Conference Proceedings and submitted to IEEE Xplore as well as other Abstracting and Indexing (A&I) databases.

Papers for regular sessions are invited in the following Tracks:

**PHY - Physical Layer and Fundamentals**
- Advanced modulation schemes
- Antennas and propagation
- Beamforming and multi-antenna signal processing
- Cognitive and green radio
- Cooperative communications
- High-split next generation FTTH PONs
- Interference mitigation
- Millimetre-wave and THz communications
- Optical front-hauling of antenna access points
- Physical-layer security
- Positioning, localisation, and tracking
- Single-user, multi-user, and massive MIMO

**WIN - Wireless Networks**
- Ad-hoc, multi-hop, and mesh networks
- Cognitive, dynamic, and adaptive MACs
- Cognitive, self-organising & green networks
- Delay-tolerant networks
- Dynamic spectrum & interference management
- Joint access and backhaul scheduler design
- M2M, WSN, IoT networks
- Mobile and wireless IP & mobile computing
- Next-generation broadband networks & 5G
- Radio resource management, routing & QoS
- Wireless multi-, broadband, and geocasting

**OPN - Optical Networks**
- Advances in optical access networks
- Advances in optical network architectures
- Gigabit home and in-building networks
- High performance clouds & datacentre infrastructure
- Mobile backhaul for fixed-mobile convergence
- Network management, virtualisation & security
- Optical and digital signal processing
- Resilience and network reliability
- Service and network orchestration
- Software-defined transmission & switching

**NET - Networking**
- Content delivery and information centric networks
- Integrated and hybrid satcom/terrestrial nets.
- Navigation and observation integrated arch.
- Network mobility management
- Network operating systems & control
- Network overlay, virtualisation, and federation
- Platforms & middleware for seamless services
- Satellite-based services and architectures
- Satellite media, broadband and safety delivery
- Security, trust, and privacy
- Software defined networking

**APS - Applications and Services**
- Big data, Data management, and analytics
- Cloud infrastructures, computing & services
- Data centre systems
- Distributed storage and middleware
- e-Health and emergency management
- Heterogeneous network interoperability
- IoT scalable architectures and enabling techn.
- Multimedia services and applications
- Peer-to-peer, application and service overlays
- Security, trust, and privacy
- Smart grids and environments
- Social networks

**TER - Testbeds & Experimental Research**
- Advanced multimedia testbeds/facilities
- Cloud testbeds/facilities
- Cognitive radio testbeds/facilities
- Experimentally-driven research
- Experimenters/end-user involvement
- Federation of testbeds/facilities
- IoT and M2M testbeds/facilities
- Real-time system operation visualisation
- Smart cities testbeds/facilities
- Tools & techniques for testbeds management

**Key Dates**
- 6 Feb. 2015 – Paper submission deadline
- 10 Apr. 2015 – Notification of acceptance
- 24 Apr. 2015 – Final paper submission