

EUCNC 2016

European Conference on Networks and Communications | Athens, Greece



June 27 – 30, 2016



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ANNOUNCEMENT AND CALL FOR PAPERS

General Co-Chairs

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Track Co-Chairs

Air Interfaces (PHY, MAC, RRM)

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Optical Communications - Networks

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Software-Defined Infrastructures

Alex Galis, UCL, UK
Roberto Rojas-Cessa, NJ Inst. Technology, USA
Predrag Jelenkovic, Columbia Uni., USA

Management Technologies

Symeon Papavassiliou, NTUA, GR
John Baras, Uni. Maryland, USA
Nick Bambos, Stanford Uni., USA

Convergence with Emerging Concepts

Victor Leung, UBC, CA
Lazaros Polymenakos, IBM, US
George Roussos, Birkbeck College, UK

Business Aspects - Vertical markets - Applications/ Services

Josep Martrat, ATOS, ES
Kazuo Hashimoto, Waseda Uni., JP
Aurel Lazar, Columbia Uni., USA

Testbeds and Experimental Research

Rahim Tafazzoli, Uni. Surrey, UK
Ilya Baldin, RENC/UNC Chapel Hill, USA
Jorge Pereira, European C., BE

Panels Co-Chairs

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Colin Willcock, Nokia, DE

Special Sessions Co-Chairs

Klaus Moessner, Uni. Surrey, UK
Oriol Sallent, UPC, ES

Workshops Co-Chairs

Martin Schubert, Huawei, DE
Vassilis Friderikos, KCL, UK

Demonstration Booth Co-Chairs

Markus Mueck, IMC, DE
Diego Lopez, Telefonica, ES

Tutorials Co-Chairs

Sergi Figuerola, i2cat, ES
Pedro Malo, UNINOVA, PT

EUCNC 2016 is the 25th edition of a successful series of a technical conference in the field of telecommunications, sponsored by the European Commission. The conference focuses on aspects like 5G communications systems and networks, cloud platforms, management technologies, and applications and services. It targets to bring together researchers from all over the world to present the latest research results, and it is one of the main venues for showcasing (demonstrating, trialling) the results of research projects, especially, from successive European R&D programmes co-financed by the European Commission. Papers for regular sessions are invited in the following Tracks:

Air Interfaces (PHY, MAC, RRM)

5G air interfaces.
Advanced modulation schemes, new coding solutions, FEC, HARQ, PAPR optimisation.
Advanced Radio RRM and MAC functions.
Antennas and propagation.
Cloud-RANs, fronthaul/backhaul aspects.
Communications at the mm wave range.
MIMO advances.
Multi-service (MBB, MCC, MTC, etc.) support.
New air interfaces below 6GHz.

Optical Communications-Networks

Advances in optical access networks.
Components and communications.
Gigabit home and in-building networks.
High-split next generation FTTH PONs.
Optical and digital signal processing.

Software-Defined Infrastructures

Network function virtualisation advances.
Network overlays and federation.
Network programmability.
SDN-based switch/router architectures.
Software defined networking challenges.
Traffic engineering, QoS, energy-efficiency.

Management Technologies

Autonomic network management.
Big Data, analytics, predictive and prescriptive technologies.
Cognitive and self-learning mechanisms.
Energy-efficient networks/infrastructures.
Management architectures and frameworks.
Management of resources, services and customer experience.
Resilience and network reliability.
Security, trust, and privacy.

Convergence with Emerging Concepts

Big data infrastructures and applications.
Cloud infrastructures, distributed clouds.
Convergence with IT technologies.
Cyber-physical systems.
Data centre systems, high performance data-centres.
Distributed storage and middleware.
Fog computing.
Hybrid satellite and terrestrial networks.
Internet of Things, Machine to Machine.
OTT technologies.
Smart embedded systems.
Smart systems at the nano-scale.

Business Aspects - Vertical markets - Applications/ Services

Applications of the tactile Internet.
E-Health and emergency management.
Emergency and safety systems.
Emerging business models, monetisation of infrastructures and services.
Intelligent Transportation Systems.
Multimedia services and applications.
Peer-to-peer, application and service overlays.
Smart cities, smart grids and environments.
Social networks.

Testbeds and Experimental Research

Advanced multimedia testbeds/facilities.
Cloud testbeds/facilities.
Cognitive radio testbeds/facilities.
Experimentally-driven research.
Experimenter/end-user involvement.
Federation of testbeds/facilities.
Real-time system operation visualisation.
Smart cities, IoT and M2M testbeds/facilities.
Tools & techniques for testbeds management.

Key dates

5 Feb. 2016 – Paper submission deadline

8 Apr. 2016 – Notification of acceptance

22 Apr. 2016 – Final paper submission