CALL FOR PAPERS

EuCNC 2019 is the 28th edition of a successful series of a conference in the field of telecommunications, sponsored by the European Commission. The conference focuses on various aspects of 5G communications systems and networks, including cloud and virtualisation solutions, management technologies, and vertical application areas. 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 demonstrating the results of research projects, especially from successive European R&D programmes co-financed by the European Commission. This year’s event also encourages insights from industrial deployments and experiences in the OPE track.

EuCNC 2019 will be co-located with the Global 5G Event, which brings together the world 5G industrial associations: 5G-IA, IMT-2020, 5G-Forum, 5G-MF, 5G-Brasil and 5G-Americas.

We invite submissions in 6 tracks on a wide range of topics including but not limited to:

**PHY - Physical Layer and Fundamentals**
- Beyond 5G, Terahertz communication
- New modulation and coding techniques
- New antenna arrays and antenna types
- Cognitive and green radio
- New access architectures and technologies in 5G (UNB, UWB, DSA, etc.)

**RAS - Radio Access and Softwarisation**
- Reconfigurable radios and new radio heads
- Advanced and massive MIMO
- Hardware/Software co-design and implementation

**NET - Network Softwarisation**
- New network protocols and architectures
- Cognitive network management and sharing methods
- New spectrum management and sharing methods
- Reconfigurable and energy efficient RRM
- Modular and reconfigurable MAC
- Cognitive and green radio
- New access architectures and technologies in 5G (UNB, UWB, DSA, etc.)

**WOS - Wireless, Optical and Satellite Networks**
- Factory automation solutions
- Autonomous driving solutions
- Critical communications and public safety
- Agriculture and environmental monitoring
- Smart cities and smart grids
- Localization and location-based services
- Emerging business models and monetization strategies

**OPE - Operational & Experimental Insights**
- Factory automation solutions
- Autonomous driving solutions
- Digital health and wellbeing
- Critical communications and public safety
- Agriculture and environmental monitoring
- Smart cities and smart grids
- Localization and location-based services
- Emerging business models and monetization strategies

**VAP - Vertical Applications and Internet of Things**
- Factory automation solutions
- Autonomous driving solutions
- Critical communications and public safety
- Agriculture and environmental monitoring
- Smart cities and smart grids
- Localization and location-based services
- Emerging business models and monetization strategies

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**Key dates:**
- 2019 Feb. 08 – Papers submission deadline
- 2019 Apr. 15 – Notification of acceptance
- 2019 Apr. 26 – Final paper submission

**Conference website:**
www.eucnc.eu

**Conference location:**
European Conference on Networks and Communications | Valencia, Spain

**Conference dates:**
18 - 21 June 2019