



# 15<sup>th</sup> International Symposium on Wireless Communication Systems

28–31 August 2018

Lisbon, Portugal

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## Important Dates

|   |                      |
|---|----------------------|
| Special Sessions and Workshops proposals: | Mar. 02, 2018        |
| <b>Full paper submission:</b>             | <b>Apr. 06, 2018</b> |
| Acceptance notification:                  | May 25, 2018         |
| Camera-ready paper:                       | June 29, 2018        |
| Author registration:                      | June 29, 2018        |
| Conference:                               | Aug. 28 – 31, 2018   |

## Call for Papers

The aim of this symposium is to provide a forum for researchers and technologists to present new ideas and contributions in the form of technical papers, panel discussions, as well as real-world evaluations in the field of wireless communications, signal processing and networking.

We call for highly-innovative and state-of-the-art contributions in the form of original technical papers. Demos or products to be shown at the accompanying exhibition are also sought.

Accepted and presented papers will be published in the conference proceedings and submitted to IEEE Xplore as well as other Abstracting and Indexing databases.

### Track 1: Signal processing for wireless communications, Communication theory, Information theory, Antennas and propagation

Modulation and coding, Detection and estimation, 5G Wireless Systems, Waveforms, Millimeter waves communications, MIMO, Massive MIMO, Space-time coding, Precoding, Source coding for wireless communications, Compressed sensing, Network coding and Physical layer network coding, Machine Learning for communications, Stochastic geometry modelling, Cooperative networks and relaying, In-band full-duplex radio, Interference cancellation, Interference alignment, NOMA, Single- and multi-carrier systems, Spread spectrum and ultra-wideband, Wireless access techniques, Software-defined radio, Cross-layer air-interface design, Mobility management, VLSI architectures for radios, Physical layer security, Radio resource management, Field tests and measurements, Energy harvesting, Synchronization, Molecular communications, Underwater communications, Satellite communications, Visible light and wireless optical communications, Quantum communications for wireless applications.

### Track 2: Networking, protocols, cognitive radio, wireless sensor networks, services and applications

MAC layer protocols, Cognitive radio, Wireless networking, Internet-of-things and machine-to-machine communications, Ad-hoc, mesh and sensor networks, Traffic control, Bio-inspired communications and networks, Self-organized wireless networks, Wireless network architectures and technologies, Smart grid communications, Connected Vehicles, Green communications, Localization systems, Wireless security and privacy, Quality of Service, Innovative services and applications, Disaster area communications.

### Submission Guidelines

Only full papers are considered. The length should not be longer than five A4 pages (in IEEE two-column format, 10pt, according to the IEEE template). Papers must be submitted via EDAS.



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