

# International Workshop on 5G Enabling Technologies for the Internet of Things (GET-IoT)



EUROPEAN  
WIRELESS  
2017

Co-located with European Wireless 2017, 17-19 May 2017, Dresden, Germany

## Scope of the workshop

The advent of the Internet of Things (IoT) is revolutionizing our lives provisioning a wide range of novel applications leveraging on ecosystems of “smart” and highly heterogeneous devices. The IoT is expected to provide unprecedented applications/services based on the pervasive interaction with/between smart things based on current and novel technologies that enable true human-centric and connected machine-centric networks. In this scenario, where smart (mobile) things are equipped with sensing, actuation, and interaction capabilities, wireless/cellular technologies are gaining high momentum as communication means to enable the interactions between things and applications in the Cloud. However, as the IoT deployment pace accelerates, research efforts are needed to effectively enable IoT over fifth generation (5G) mobile networks. One of the key enabling technologies at the heart of the next generation 5G systems is deemed to be Device-to-Device (D2D) communications as it guarantees very high bit rates, low delay, and low power consumption. These features make D2D communications of high interest in a wide range of applications in the IoT. Furthermore, Machine-Type Communications (MTC), millimeter Wave (mmWave), mobile edge computing, Software Defined Networking (SDN), Network Function Virtualization (NFV), and Narrowband IoT (NB-IoT) are all expected to play a fundamental role for the IoT in future 5G systems. Submitted papers in this workshop are expected to focus on state-of-the-art research in various aspects of IoT and 5G systems from academics and industry viewpoints. The aim is to offer a venue on the recent advances in theory, application, standardization and implementation of 5G technologies in IoT scenarios.

## Topics of interest are (but not limited to)

- 5G enabling technologies for the IoT
- Mobility of smart objects in 5G systems
- Radio resource management for NB-IoT bands
- Testbed development and real world deployment of IoT use cases in 5G networks
- D2D communications in IoT scenarios
- Wireless caching in 5G networks to support IoT applications
- Trust & Security solutions for IoT in 5G networks
- Millimeter wave for the IoT
- Channel characteristics and modelling for the IoT
- Experiment reports of IoT in 5G networks
- Reports on IoT and 5G related standardization activities
- SDN and NFV in 5G networks for supporting the IoT
- Edge computing in 5G networks for the IoT
- Full-duplex communications for the IoT
- D2D as enabler for Human-Type-Communication, Machine-Type-Communications and vehicular networks

## Important Dates

Full papers due: March 5, 2017

Acceptance notification: March 23, 2017

Camera ready version: March 30, 2017

## Submission Guidelines

The workshop accepts only novel, previously unpublished papers. Prospective authors are encouraged to submit a 6-page IEEE conference style paper (including all text, figures, and references) through EDAS submission system (<https://www.edas.info/>). Papers exceeding the maximum length of six pages will be subject to an over-length charge of 100 euro per additional page (a maximum of two pages can be added). The charge shall be paid as an additional fee to ordinary registration by the reference author of the paper. Accepted papers must be presented at the workshop by one of the authors. All papers selected for publication will be published together with European Wireless 2017 proceedings and available on IEEE Xplore database and will be indexed in the abstract and citation database Scopus (approval pending).

## Organizers

*Leonardo Militano*, Mediterranea University of Reggio Calabria, Italy

*Giuseppe Araniti*, Mediterranea University of Reggio Calabria, Italy

*Antonino Orsino*, Tampere University of Technology, Finland

## Contact information

Leonardo Militano

Mediterranea University of Reggio Calabria, Via Graziella,  
Loc. Feo di Vito, 89122 Reggio Calabria, Italy

email: [leonardo.militano@unirc.it](mailto:leonardo.militano@unirc.it)

## Website

<http://ew2017.european-wireless.org/>