



# on Emergency Networks for Public Protection and Disaster Relief

In conjuction with IEEE WiMob 2017, Rome, ITALY, October 9-11, 2017

Workshop Committee

## CALL FOR PAPERS

#### Workshop Chair

Maurizio Casoni,

UNIMORE, Italy

## IEEE WiMob 2017 Workshop

on Emergency Networks for Public Protection and Disaster Relief October 9, 2017

The Emergency Networks for Public Protection and Disaster Relief (EN4PPDR) Workshop aims to gather researchers and experts working in the field of public safety, emergency response, protection, relief and recovery of critical infrastructures. Disasters, natural or not, may occur on a metropolitan (e.g. building collapse, airplane crash,...) or on a large scale (e.g. earthquake, forest fire, flooding,..) and may involve critical infrastructures as well (e.g. gas pipelines, electric power systems, telecommunications networks,...). Therefore, protection of critical infrastructures from one side and prompt emergency response from the other play a fundamental role in saving human lives, protecting properties and recovering from system failure. The workshop very large area of interests includes, but is not limited to, wireless technologies, network architectures, transmission protocols, spectrum management, fast deployable systems, interoperability, crisis management, data fusion systems, secure communications, standardization activities, first responder equipment, network topologies and resilience. Results from research activities, demonstrations, test-bed and prototype testing are encouraged by universities, research institutes, industries and companies. Joint papers from different institutions are welcome.

#### **Publicity Chairs**

Martin Klapez,

UNIMORE, Italy

Carlo Augusto Grazia, UNIMORE, Italy

#### **Technical Program** Committee

Jens Wagner, TU Dresden, Germany Niko Joram, TU Dresden, Germany Slavisa Aleksic, Leipzig UT, Germany Matteo Fiorani, Ericsson Research, Sweden

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### List of Topics

First responder equipment and sensors

#### Supported by:



- Body and Personal Area Networks
- Ad hoc and wireless mesh networks
- 4G wireless technologies (LTE, WiMax)
- 5G-based emergency networks
- SDN/NFV for PPDR systems
- Wireless LANs
- Sensor networks for environmental monitoring (WSN)
- Positioning systems (LPS, GPS,...)
- Infrastructure and Infrastructures-less architectures and protocols for prompt response
- Satellite communications for disaster events
- Satellite and terrestrial networks inter-working
- Multimedia communications

- Information systems for disaster events
- Data fusion systems and disaster management tools
- Secure communications
- Critical infrastructure resilience and survivability
- Disaster management
- Interoperability (radio spectrum, wireless technologies, network architectures)
- Inter-agency interoperability (among different public safety agencies)
- Inter-countries interoperability (among different countries agencies)
- Demonstrations, test-bed and prototype testing
- New social media and wireless technologies for crisis response and Search and Rescue (SAR) activities

#### **AUTHOR GUIDELINES:**

A full paper should not exceed eight (8) IEEE style pages including results, fig-For more information on the submission guidelines includreferences. and ures ing page limit, font size, templates, etc, please visit the author instructions page: http://conferences.computer.org/wimob2017/guidelines.html.

Papers should be submitted in a PDF format at EDAS (not ready at the moment). The workshop seeks novel, previously unpublished papers, which are not currently under review by another conference or journal.

Full papers due Acceptance notification Camera ready July 15, 2017 1 September 2017 15 August 2017

For further information: http://en4ppdr.ing.unimo.it or contact the workshop chair at maurizio.casoni@unimore.it