

Med-Hoc-Net 2018

17th IEEE/IFIP Annual Mediterranean Ad Hoc Networking Workshop

20-22 June 2018 · Capri, Italy

<http://medhocnet18.cnit.it/>

In recent years the Internet evolution has undergone a remarkable and unstoppable change of trend, rooted on three main pillars: New technologies (cloud computing, SDN, NFV, etc.), broad connectivity (4G/5G, VANET, FANET, etc.), and the wide deployment of smart edge devices (smart phones, sensors, wearables, etc.), all setting the main concept for the Internet of Things (IoT) and encompassing scenarios such as smart cities, ITS (intelligent transportation systems), smart grid, smart homes, or e-health.

Med-Hoc-Net 2018 extends its focus far beyond traditional networking concepts, highlighting new concepts related to the mentioned three main pillars developed for the future generation of network and cloud computing technologies. Med-Hoc-Net 2018 will accommodate contributions on smart mobile scenarios, focusing on highly relevant developments but also preliminary ideas and concepts in the ICT area, aiming at facilitating the development of new technologies and services with a high societal impact.

Following successful workshops at Sardinia Island (2002), Mahdia (2003), Bodrum (2004), Porquerolles Island (2005), Lipari Island (2006), Corfu Island (2007), Mallorca Island (2008), Haifa (2009), Juan-Les-Pins (2010), Favignana Island (2011), Ayia Napa (2012), Corsica Island (2013), Piran (2014), the Algarve (2015), Barcelona (2016), and Budva (2017), Med-Hoc-Net 2018 will take place on the island of Capri, Italy, in the heart of the Mediterranean Sea.

Program Highlights

Med-Hoc-Net 2018 will feature two program highlights:

- a keynote speech by Prof. Dr. Ian F. Akyildiz of the Georgia Institute of Technology; and
- an expert panel discussion on safety, privacy and cybersecurity.

Topics of interest revolve around ad hoc and mesh networks – for example:

- MAC, routing and transport layer protocols for multi-hop networks
- Wireless sensor networking: Technologies, protocols, etc.
- Vehicular networks
- Smart grid networks
- Cognitive radio networks
- Integration of ad hoc networks with wireless access networks
- Implementations, testbeds, and field tests
- Technology related issues (IEEE 802.11, Bluetooth, ZigBee, etc.)
- Quality of Service
- Optimization models and algorithms
- Energy-efficient networking
- Security and privacy
- Localization and tracking in wireless networks
- Novel communication techniques
- Visible light communication (VLC)
- Software defined networking (SDN)
- Participatory and urban networks
- Underwater wireless networks
- UAVs and Flying ad hoc networks (FANETs)
- Green networking

Manuscript submissions:

Submissions should be original, previously unpublished work not currently under review for publication elsewhere.

Detailed formatting rules and the EDAS link to upload papers is available via <http://medhocnet18.cnit.it/>

Note that we will consider two different categories of papers: Full papers should describe novel research contributions and are limited in length to eight (8) printed pages. Short papers should be more visionary in nature and may report on work in progress without completed results. They are meant to present novel perspectives, so as to foster discussion about innovative directions and new points of view. They are limited to at most four (4) pages, but might in many cases be even shorter. Accepted short papers will be included in the proceedings and there will be given (a shorter) time for oral presentation at the workshop.

Please note that the full paper and short paper categories target different kinds of contributions. Papers submitted to a category will NOT be moved to a different category: A paper will either be accepted for the category where it has been submitted, or it will be rejected. Full papers will not be “downgraded” to short papers. Therefore, please be sure to carefully assess for yourself prior to submission which is the most suitable submission category for your paper, and to make sure that the presentation in the manuscript is well suited to the aims of this category.

Please also note our strict *no-show policy*, available on <http://medhocnet18.cnit.it/>

Med-Hoc-Net 2018

General Chairs:

Sergio Palazzo
University of Catania, Italy

Luigi Paura
University of Naples Federico II, Italy

TPC Chairs:

Christoph Sommer
Paderborn University, Germany

Stefano Basagni
Northeastern University, USA

Steering Committee:

Ian F. Akyildiz
Georgia Institute of Technology, USA

Khaldoun Al Agha
Paris-Sud University, France

Luigi Fratta
Politecnico di Milano, Italy

Mario Gerla
UCLA, USA

Farouk Kamoun
ENSI, Tunisia

Giovanni Pau
UCLA, USA

Guy Pujolle
UPMC - Paris 6, France

Technically co-sponsored by the IEEE Communications Society and supported by IFIP TC6.

All accepted papers will be published in the digital library (barring no-shows).

Best papers will be published in the Elsevier Ad Hoc Networks journal.

Important Dates:

Fri, 9 March 2018:
Paper submission deadline

Wed, 25 April 2018:
Author notifications sent

Fri, 4 May 2018:
Camera-ready papers due

Fri, 20 June 2018:
Workshop starts