

Annals of Telecommunications

Annales des télécommunications

**Call for papers
Special Issue on**

Emerging Trends and Applications in Ad Hoc Networks

In the 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 (3G/4G, VANET, 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), also encompassing scenarios such as smart cities, ITS (intelligent transportation systems), smart homes or e-health.

The special issue of "Emerging Trends and Applications in Ad Hoc Networks" in the Springer Annals of Telecommunications extends its focus far beyond traditional networking concepts, highlighting new networking concepts related to the three aforementioned main pillars developed for the future generation of network and cloud computing technologies. This special issue is willing to accommodate contributions on smart mobile scenarios, focusing on highly relevant developments but also preliminary ideas and concepts on the ICT area, aiming at facilitating the development of new technologies and services with a high societal impact. We invite high quality original research papers describing original research and innovation in the following topics:

- Ad hoc and mesh networks
- Routing algorithms and protocols
- Transport layer protocols for multi-hop networks
- MAC protocols, scheduling, power and topology control, and resource
- Software Sensor network protocols
- Vehicular networks
- Cognitive radio networks
- Integration of ad hoc networks with wireless access networks
- Implementations, testbeds, and prototypes
- Technology related issues (IEEE 802.11, Bluetooth, ZigBee, etc.)
- Quality of Service
- Optimization models and algorithms
- Energy-efficient networking
- Security and privacy
- Location in Wireless networks
- New generation for WiFi, RFID, Zigbee, 6LowPAN
- Participatory and urban networks
- Underwater wireless networks
- Green networking

Guest Editors

- **Prof. Keun-Woo Lim, Telecom Paristech, France**
- **Prof. Mario Gerla, University of California, Los Angeles, USA**
- **Prof. Luigi Fratta, Politecnico di Milano, Italy**

Papers must be written in English and describe original research not published or currently under review by other journals or conferences. The length of the article file should not exceed 35,000 characters including spaces (i.e., around 5,500 words). The manuscripts that are outside the expected length are likely to be rejected. All relevant papers submitted will go through an external review process.

The authors should specify if a paper has already been published partially in a conference, in which case the submitted paper must be extended (30% of added value, modification and new results can be a reasonable target) compared to the conference paper; the title must be different from the one of the conference.

Submissions should be sent according to the instructions available at:
<http://annalsoftelecommunications.wp.mines-telecom.fr/how-to-publish/>

The authors can directly submit their papers at: <https://www.editorialmanager.com/ante/> and must select the menu "Choose Article Type" and then the item "CfP: Emerging Trends & Applications in Ad Hoc Networks".

Proposed schedule

- **Manuscript submission** September 30th 2017
- **Notification** January 30th 2018
- **Online with DOI** As soon as accepted
- **Printed issue** March-April 2018



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