

The 11th EAI International Conference on Ad Hoc Networks (ADHOCNETS 2019)
Queenstown, New Zealand, Nov. 18-21, 2019
<http://www.adhocnets.org/>

Paper submission deadline: June 1, 2019

OVERVIEW:

The annual International Conference on Ad Hoc Networks (AdHocNets) focuses on ad hoc networking technologies and their applications. An ad hoc network is a wireless system, in which mobile or static nodes are connected using wireless links and cooperate to self-organize into a network without the requirement for any infrastructure such as access points or base stations. In recent years, ad hoc networks have been attracting an increased attention from the research and engineering communities. The distributed and multi-hop nature of ad hoc networking as well as the highly dynamic topology of an ad hoc network due to node mobility has introduced many formidable challenges such as scalability, quality of service, reliability and security, and energy constrained operations for the network. Ad hoc networking covers a variety of network paradigms including mobile ad hoc networks (MANETs), wireless sensor networks (WSNs), vehicular ad hoc networks (VANETs), airborne networks, underwater networks, underground networks, personal area networks, and home networks, etc. It promises a wide range of applications in civilian, commercial, and military areas.

The aim of the annual AdHocNets conference is to provide a forum that brings together researchers and engineers from academia, government laboratories as well as industry to meet, network, exchange ideas and present their recent research work, and discuss future directions on all aspects of ad hoc networks. Following the success of ADHOCNETS'09-18, the 11th edition of the event, ADHOCNETS 2019, will be held in Queenstown, New Zealand, on November 18-21, 2019. The conference will consist of keynote speeches, invited talks, and technical sessions.

TOPICS:

The conference solicits original technical papers that were not previously published and are not currently under review for publication elsewhere. Papers should address technical challenges in any type of ad-hoc networks. Topics of interest include but are not limited to:

- Mobile ad hoc networks (MANET)
- Vehicle ad hoc networks (VANET)
- Unmanned aerial vehicle (UAV) networks
- Wireless sensor networks
- Airborne networks
- Underwater networks
- Underground networks
- Personal area networks
- Body area networks
- Home networks
- Internet of Things (IoT)
- Network architectural and protocol design
- MAC, routing, and transport protocols
- Resource allocation and management
- Network control and management

ADHOCNETS 2019_CFP_original.txt

- Power control and management
- Topology control and management
- Quality of service (QoS) provisioning
- Service discovery
- Ranging and node localization
- Time synchronization
- Data aggregation
- Network scalability and capacity
- Reliability and fault tolerance
- Security and privacy
- Low-power wide-area IoT networking
- Massive machine connections for IoT
- Middleware for ad hoc networks
- Cross-layer design for ad hoc networks
- Software-defined networking for ad hoc networks
- Network function virtualization for ad hoc networks
- Edge/fog/cloud computing for ad hoc networks
- Machine learning (or AI) for ad hoc networks
- Performance modeling and analysis for ad hoc networks
- Tools to design, implement, and evaluate ad hoc network protocols

HIGHLIGHTS

- The event is endorsed by the European Alliance for Innovation (EAI), a leading community-based organisation devoted to the advancement of innovation in the field of ICT.
- All accepted papers will be published by Springer and made available through SpringerLink Digital Library, one of the world's largest scientific libraries.
- Proceedings will be indexed in leading indexing services, including Ei Compendex, ISI Web of Science, Scopus, CrossRef, Google Scholar, DBLP, as well as EAI's own EU Digital Library (EUDL).
- Authors of selected outstanding accepted and presented papers will be invited to submit an extended version to Springer Mobile Networks and Applications (MONET) Journal (IF: 2.497)
- All accepted authors are eligible to submit an extended version in a fast track of EAI Endorsed Transactions on Mobile Communications and Applications

PAPER SUBMISSION:

Papers should be submitted via Confy system (<http://confy.eai.eu/>). Please visit the conference website at <http://www.adhocnets.org> for instructions.

IMPORTANT DATES:

Submission deadline: June 1, 2019
Acceptance notification: Sept.1, 2019
Camera-ready paper: Oct. 1, 2019
Conference dates: Nov. 18-21, 2019

CONFERENCE ORGANIZING COMMITTEE

General Chair

Jun Zheng, Southeast University, China

TPC Co-Chairs

ADHOCNETS 2019_CFP_original.txt

Cheng Li, Memorial University, Canada

Peter Chong, Auckland University of Technology, New Zealand

Weixiao Meng, Harbin Institute of Technology, China

Publicity Co-Chairs

Xiang Gui, Massey University, New Zealand

Lotfi Mhamdi, University of Leeds, United Kingdom

Zhifeng Zhao, Zhejiang University, China

Publication Chair

Feng Yan, Southeast University, China

Local Arrangement Chair

Saeed Ur Rehman, Auckland University of Technology, New Zealand

Conference Manager

Andrea Piekova, European Alliance for Innovation