



IEEE MASS 2018

15th IEEE International Conference on Mobile Ad-hoc and Sensor Systems

Chengdu, Sichuan Province, China, October 9-12, 2018

Call For Papers

SCOPE, IEEE MASS is a premier, annual forum for sharing original, novel ideas in mobile ad hoc networks and wireless sensor networks, defined broadly. Continuing this tradition, the 15th IEEE International Conference on Mobile Ad hoc and Sensor Systems (MASS) will be held in Chengdu, China, on Oct. 9-12, 2018. Wireless ad hoc communications, Internet of Things, and mobile computing are increasingly being used in civilian and military applications in homes and businesses, cities and rural areas, sea and space. Wireless sensor and actuator networks are being widely deployed for enhancing industrial processes and management, for various forms of environmental monitoring and control, and for improving quality of life. Sponsored by the IEEE Computer Society, IEEE MASS 2018 aims at bringing together researchers, developers, and practitioners to address recent advances in mobile ad-hoc and sensor-actuator IoT systems, covering algorithms, theories, systems, protocols, applications, experiments, and testbeds.

TOPICS OF INTEREST

Original, unpublished contributions are solicited in all aspects of mobile ad hoc networks (MANETs) and wireless sensor networks (WSNs), from mobile networking/computing to cyber-physical systems to Internet of Things, from theory to systems to applications. Topics of interest include, but are not limited to: Algorithms for MANETs and WSNs.

- Algorithms for MANETs and WSNs
- Application layer protocols
- Clustering, topology control, coverage, and connectivity
- Cognitive networking
- Cooperative and cognitive communication
- Cooperative sensing, compressive sensing, sensing from communications
- Cloud, crowd-sourced, participatory and (mobile) social sensing
- Cyber-physical systems and applications
- Data gathering, fusion, and dissemination
- Energy-efficient architectures, algorithms, and protocols
- Experiences in real-world applications and deployments
- Heterogeneous networks
- Internet of Things (IoT) devices, gateways, and infrastructure
- Localization and Location Based Services
- Measurements, experimental systems and test-beds
- Mobile computing and networking Mobility modeling and management
- Multi-channel, multi-radio and MIMO technologies
- Network components, operating systems, and middleware
- Opportunistic networking, delay tolerant networking
- QoS and Resource management
- Robotic networks
- Routing protocols
- Scalability, stability, and robustness of networks and sensor systems
- Security and privacy at all layers, including the physical layer
- Sensor enabled drone, UAV, UUV systems
- Smart grid, healthcare, transportation applications
- Vehicular networks and protocols
- Wearable and human-centric devices and networks

SUBMISSION GUIDELINES

Submission guidelines can be found on the website:

<http://www.scse.uestc.edu.cn/mass2018/>

IMPORTANT DATES

Paper Submission Deadline:	May 15, 2018 midnight EDT
Notification of Acceptance:	July 15, 2018
Camera-ready Version:	August 15, 2018

KEYNOTE SPEAKERS:

- Xiaohong Guan, Xi'an Jiaotong University
- Chunming Qiao, University at Buffalo-SUNY
- Dipankar Raychaudhuri, Rutgers University

ORGANIZING COMMITTEE

Steering Committee

- Dharma P. Agrawal, University of Cincinnati
- Jie Wu, Temple University
- Kang G. Shin, University of Michigan
- J. J. Garcia-Luna-Aceves, University of California

General Co-Chair

- Yuanshun Dai, University of Electronic Science and Technology of China
- George Rouskas, North Carolina State University

Program Co-Chair

- Byrav Ramamurthy, University of Nebraska-Lincoln
- Kui Ren, University at Buffalo, SUNY and Zhejiang University

Track Chairs:

Algorithms and theory track:

- My Thai, University of Florida
- Sheng Zhong, Nanjing University

Protocols and cross-layer technologies track:

- Yong Cui, Tsinghua University
- Jiangchuan Liu, Simon Fraser University

Systems and applications track:

- Radu Stoleru, Texas A&M University
- Salil Kanhere, The University of New South Wales

Experimental evaluation and testbeds track:

- Dimitrios Koutsonikolas, University at Buffalo, SUNY
- M. Can Vuran, University of Nebraska-Lincoln

Security and privacy track:

- Bo Luo, University of Kansas
- Aziz Mohaisen, University of Central Florida

Panel Chair:

- Wei Zhao, American University of Sharjah, UAE

Workshop Co-Chairs:

- Anna Foerster, University of Bremen
- Chao Song, University of Electronic Science and Technology of China