

**Title:**

Mobile, Wireless and Sensors Networking

Abstract:

The mobile, wireless and sensors networking workshop aims to serve as an international forum for experts, researchers, and practitioners from academia, industry, and government to exchange ideas and new results on research and development as well as to promote and accelerate standardization, applications, and services of current and future wireless networks. The sensors networks have been the focus of interest of both academia and industry during the past few years, given their large application scope both in the military and civilian fields, ranging from environmental monitoring, body area networks for healthcare, to vehicular networks for road safety, and etc. The interest is ever increasing by the widespread of the Internet of Things, transforming the way we live and work, and making for smart cities, and industries. This workshop invites participation from both academic and industry researchers working in the area of wireless and sensors networking technologies, services, architectures, and protocols. The overall goal is to present the latest snapshot of the ongoing research as well as to shed further light on future directions in this space. Authors are invited to submit papers presenting novel technical studies as well as broader position and vision papers comprising hypothetical/speculative scenarios.

Scope and Topics:

Potential topics include but are not limited to:

- ✧ Cellular systems, 2G/3G/4G/5G and beyond
- ✧ LTE, WiMAX, WMAN, and other emerging broadband wireless networks
- ✧ WLAN, WPAN, and other home/personal networking technologies...
- ✧ Pervasive and wearable computing and networking
- ✧ Delay tolerant wireless/Ad Hoc networks
- ✧ Vehicular wireless/Ad Hoc networks
- ✧ Software-defined wireless networks
- ✧ Protocols, architectures and applications for the Internet of Things
- ✧ Wireless Sensor and Actuator Networks and their Applications
- ✧ Cognitive Radio Networks, dynamic spectrum access and emerging applications and services
- ✧ Wireless multimedia networks
- ✧ Green wireless networks
- ✧ Edge computing/fog computing for Internet of Things/Sensor Networks
- ✧ Machine-to-machine communications
- ✧ Security, Privacy and Trust issues in Wireless/Ad Hoc/Sensor Networks
- ✧ Energy Saving, Power Control and Energy Scavenging for networks
- ✧ Cross-layer Design and optimization in wireless/Ad Hoc Networks



- ✧ Machine Learning and/or Game Theoretical Models for Wireless/Ad Hoc/Sensors Networks
- ✧ Experimental Prototypes and Testbeds for Wireless/Ad Hoc/Sensors Networks

Program Committee Chairs:

Zheng-guo Sheng, University of Sussex, UK

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Bio:

Zheng-guo Sheng received his B.S. degree from Department of Communication Engineering, University of Electronic Science and Technology of China in 2006, an M.S. degree from Distinction, Communication and Signal Processing at Imperial College in 2007, and the Ph.D. degree in Electrical and Electronic Engineering from Imperial college in 2011. He is currently services as a lecturer in the Department of Engineering and Design at University of Sussex. His research interests include M2M/IoT: wireless sensor networks, IPv6, compressed sensing, energy harvesting and RFID, Vehicle communications: in-vehicle powerline networks, V2V and V2I connectivity, and Cloud/edge computing. He has served on the editorial board for several Journals including IEEE Access, Ad Hoc Networks, etc.

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Bio:

Houbing Song received the Ph.D. degree in electrical engineering from the University of Virginia, Charlottesville, VA, in August 2012. In August 2017, he joined the Department of Electrical, Computer, Software, and Systems Engineering, Embry-Riddle Aeronautical University, Daytona Beach, FL, where he is currently an Assistant Professor and the Director of the Security and Optimization for Networked Globe Laboratory (SONG Lab, www.SONGLab.us). He served on the faculty of West Virginia University from August 2012 to August 2017. In 2007 he was an Engineering Research Associate with the Texas A&M Transportation Institute. He serves as an Associate Technical Editor for IEEE Communications Magazine. He is the editor of four books, including Smart Cities: Foundations, Principles and Applications, Hoboken, NJ: Wiley, 2017, Security and Privacy in Cyber-Physical Systems: Foundations, Principles and Applications, Chichester, UK: Wiley-IEEE Press, 2017, Cyber-Physical Systems: Foundations, Principles and Applications, Boston, MA: Academic Press, 2016, and Industrial Internet of Things: Cybermanufacturing Systems, Cham, Switzerland: Springer, 2016. He is the author of more than 100 articles. His research interests include cyber-physical systems, internet of things, cybersecurity and privacy, edge computing, big data analytics, and wireless communications and networking. Dr. Song is a senior member of IEEE and ACM. Dr. Song was the very first recipient of the Golden Bear Scholar Award, the



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Si-guang Chen, Nanjing University of Posts and Telecommunications, China

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Bio:

Siguang Chen is currently an Associate Professor at Nanjing University of Posts and Telecommunications. He received his Ph.D. in information security from Nanjing University of Posts and Telecommunications, Nanjing, China, in 2011. He finished his Postdoctoral research work in City University of Hong Kong in 2012. From 2014 to 2015, he also was a Postdoctoral Fellow in the University of British Columbia. He has published more than 60 papers and applied 30 patents, serves as Area Editor of EAI Endorsed Transactions on Cloud Systems, Editor of Journal on Internet of Things, Guest Editor of International Journal of Computer Networks and Communications, Corresponding Experts of Engineering Journal, and serves as General Co-Chair of ICAIS/ICCCS 2019 Workshop on Mobile, Wireless and Sensors Networking. He also served/serves as Session Chair of ICCCN 2015, ICCCN 2016, ICCCN 2018, ICC 2018 & 2019 and GLOBECOM 2018, and served/serves as a TPC member in IOP 2015, WCSP 2016, ICCT 2017, 2018 & 2019, CISIS 2018, ICCCS 2018 Workshop, GLOBECOM 2018 Workshop, ICC 2019 and ICC 2019. His current research interests are in the area of fog computing, mobile edge computing, deep learning, privacy preserving of big data and IOT resource optimization.

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Bio:

Jian Su is currently a lecturer at Nanjing University of Information Science and Technology. He received his Ph.D in Communication and Information Systems from University of Electronic Science and Technology of China, Chengdu, China, in 2016. From 2014 to 2015, he was a visiting Ph.D in the University of British Columbia. From 2017 to 2018, he also was a visiting scholar in the Michigan State University. He has published more than 20 papers and applied 10 patents, and serves as Editor of Journal of Internet of Things.

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