

Title:

IoT and Future Communication Technologies

Abstract:

Internet of Things (IoT) is a network of smart objects with pervasive communications through the Internet connectivity. There are many issues unexplored to enable secure and advanced connectivity of devices, systems, and services for implementing a variety of applications. The open issues include embedded sensors and smart objects, resource-constrained devices and networks, real-time IoT OS systems, secure and robust communications, data collection and analysis, network graph embedding, machine learning and other analytics, IoT big data, mobile services, service composition, object discovery, behavior classification and prediction, just to name a few. This workshop is to promote innovations of IoT research and provide in an informative forum for presenting and discussing the most recent advances in different aspects of IoT and Future Communication Technologies.

Scope and Topics:

Topics of interest include, but not limited to:

- ✧ Innovative techniques for IoT infrastructure security
- ✧ Future Internet
- ✧ Future Generation Communication Networks
- ✧ Wireless Sensor Networks
- ✧ 5G, 4G, LTE, LTE-Advanced
- ✧ Small cell Networks
- ✧ Intelligent Internet Communication
- ✧ IoT Architectures, Systems
- ✧ IoT Standards
- ✧ Networking Technologies for IoT
- ✧ Protocols and Algorithms for IoT
- ✧ Information Management and IoT
- ✧ Data Analytics for IoT
- ✧ Security and Privacy of IoT
- ✧ Smart Homes and Smart Cities
- ✧ Smart Agriculture
- ✧ Industrial IoT Applications
- ✧ Medical applications for IoT
- ✧ E-commerce and IoT
- ✧ Artificial Intelligence and IoT
- ✧ Health-care and IoT

Program Committee Chairs:

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Ning Cao is an Academic Leader of College of Information Engineering at Qingdao Binhai University. He received his B.S. degree from Harbin Institute of Technology in Software Engineering in 2008, and his Ph.D degree from University College Dublin in Computer Science in 2015. His research interests include IoT, wireless sensor networks, cyber security. Up to date, he has published over 40 papers.

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Guofu Li is a lecturer of College of Communication and Art Design at University of Shanghai for Science and Technology. He received his B.S. degree from Fudan University in Software Engineering in 2007, and his Ph.D degree from University College Dublin in Computer Science and Informatics in 2014. He was a post-doctoral research fellow at CNGL research centre (ADAPT now) and Computer Science and Informatics of University College Dublin from 2014 to 2015. His research interests include digital communication, machine learning and natural language processing

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Russell Higgs did his doctoral work at the Universities of Liverpool and Notre Dame. He is currently an Associate Professor in the School of Mathematics and Statistics at University College Dublin. His research interests include: Pure Mathematics, IoT, wireless sensor networks.

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