



Title:

Internet of Things, Crowdsourcing and their Applications.

Abstract:

Internet of Things (IOT) refers to the information through a variety of sensors, RFID technology, global positioning system (GPS), infrared sensors, laser scanner and other equipment and technology, no need to monitor real-time acquisition, connected, interactive object or process, collect all kinds of needed information through all kinds of possible Internet access. IoT is moving towards pervasiveness and increasing end-user interactions. Beyond the technical improvement in the IoT technology, there is also a need to better interact with the end-users in order to ensure a high level of acceptance and to leverage on their active use of the IoT. The workshop will explore the potential of new approaches and technologies to research and develop better interactions between end-users and IoT, including crowdsourcing approaches.

Scope and Topics:

Potential topics include but are not limited to:

- ✧ Wireless Ad Hoc Networks
- ✧ Wireless Sensor Networks
- ✧ 5G, 4G, LTE, LTE-Advanced
- ✧ Intelligent Internet Communication
- ✧ IoT Architectures, Systems
- ✧ 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
- ✧ Industrial IoT Applications
- ✧ Medical applications for IoT
- ✧ E-commerce and IoT
- ✧ Artificial Intelligence and IoT
- ✧ Health-care and IoT
- ✧ IoT applications
- ✧ Crowdsourcing and crowd-sensing technologies
- ✧ ...

Program Committee Chairs:

Name, Affiliation, Country

Baoqi Huang, Inner Mongolia University, China

cshbq@imu.edu.cn

<http://ccs.imu.edu.cn/info/1347/3110.htm>



He obtained the B.E. degree in computer science from Inner Mongolia University (IMU), Hohhot, China, in 2002, the M.S. degree in computer science from Peking University, Beijing, China, in 2005, and the Ph.D. degree in information engineering from the Australian National University, Canberra, Australia, in 2012. From May 2013 to April 2014, he worked as Research Fellow in Nanyang Technological University, Singapore. He is with the College of Computer Science, IMU, where he is currently a professor. He was a recipient of the Chinese Government Award for Outstanding Chinese Students Abroad in 2011, and was selected to be the Grassland Elite in Inner Mongolia Autonomous Region in 2015. His research interests include wireless networks, sensor networks, mobile computing, ubiquitous computing and etc. Currently, he is the principal investigator of two NSFC grants and one regional NSF grants. He has published over 30 research papers on refereed journals and conferences, including IEEE transactions and journals and conferences recommended by China Computer Federation (CCF). He served as the corresponding reviewer of NSFC and the reviewer of premier international journals, including IEEE Transactions on Industrial Electronics, IEEE Transactions on Wireless Communications, Automatica, IEEE Transactions on Signal Processing, IEEE Journal on Selected Areas in Communications, Computer Networks.

Hao Wang, Gesellschaft für wissenschaftliche Datenverarbeitung mbH Göttingen (GWDG), Germany

hao.wang@gwdg.de,

<https://www.gwdg.de/about-us/organization/departments/science>.

Dr. Hao Wang is a researcher at GWDG, Germany. Before this, he obtained his Dr.-Ing. from University of Kaiserslautern, Germany, in 2015. His research interests are on cloud computing, in particular those next generation data center and network technologies. Dr. Wang also puts a lot of effort on performance modelling, analysis, and control of complex networked systems.

Bing Jia, Inner Mongolia University, China

jiabing@imu.edu.cn

<http://ccs.imu.edu.cn/info/1153/3702.htm>,

BING JIA received the Ph.D. degree from Jilin University, Changchun, China, in 2013. She is currently an Associate Professor with the College of Computer Science, Inner Mongolia University. Her research interests include wireless networks, indoor localization, crowdsourcing, and mobile computing.

Wuyungerile Li, Inner Mongolia University, China

gerile@imu.edu.cn,

<http://ccs.imu.edu.cn/info/1154/3014.htm>

Wuyungerile LI received her Ph.D. degree from Shizuoka University, Hamamatsu, Japan, in 2013. She is currently a Lecturer with the School of Computer Science, Inner Mongolia University. Her research interests include WSNs, crowdsourcing, and mobile computing..

Program Committee:

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