Title:

Internet of Things, Crowdsourcing and Mobile Computing

Abstract:

The Internet of Things (IoT) is a dynamic global information network consisting of internet-connected objects, such as RFIDs, sensors, actuators, as well as other instruments and smart appliances that are becoming an integral component of the future internet. It 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:
- ✧ Internet of Things and Its Applications
- ✧ Wireless Sensor Network
- ✧ Crowdsourcing and crowd-sensing technologies
- ✧ Mobile Computing
- ✧ Data Security in the IoT
- ✧ IoT Privacy and personal data protection
- ✧ Attacks and Countermeasures on IoT Systems
- ✧ Trust Model, Data Aggregation and Information Sharing
- ✧ Secure Hardware and Software for IoT
- ✧ Application Security for IoT…

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Guiling Wang is currently a professor of the Yingwu College of Computing Sciences and the MT School of Management at NJIT. She joined NJIT in July 2006 as an Assistant Professor. She was promoted to Associate Professor with tenure in June 2011 and to full professor in June 2016. She received her Ph.D. in Computer Science and Engineering and a minor in Statistics from The Pennsylvania State University in May 2006. She received her B.S. in Software from Nankai University in Tianjin, China. Her research interests include mobile computing, intelligent transportation, wireless networking, network and systems security, etc.

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Baowei Wang is currently working as a Professor in the School of Computer and Software at Nanjing University of Information Science and Technology, Nanjing, China. He received his B.S. and Ph.D. degrees in Computer Science from Hunan University, Changsha, China, in 2005 and 2011, respectively. His research interests include wireless sensor networks, data security, and mobile computing.

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Yuqiang Yang received the B.S. degree in Applied Physics from Bohai University, Jinzhou, China in 1989, received the M.E. degree in Electronic and Communication Engineering from Beihang University, Beijing, China, in 1996. He is currently working as professor in College of Information Science and Technology, Bohai University. He has published more than 20 technical papers in international journals and conference proceedings. His current research interests include IoT and Big data.

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Xu E received the BS degree in computer science from Liaoning Industrial University, Jinzhou, China, in 1995, the MS degree in Management Science and Engineering from Liaoning Engineering and Technology University, Fuxin, China, in 2002, and the PhD degree in Management Science and Engineering from Beijing Science and Technology University, Beijing, China, in 2006. In 1995, he joined the faculty of the Department of Computer Science in the Liaoning Industrial University as a Teaching Assistant, where, since 2008, he has been a Professor. In 2006, he was a Visiting Professor with the Department of Computer Science, University of Oxford, UK. During 2008-2012, he was the Dean of the Department of Computer Science. In 2012, he began to work in Bohai University and since then as a member of the university academic committee. Furthermore, he has been the Academic and Technical Leader in Jinzhou City, China, from 2014. His research interests include data mining, big data, Internet of Things, and machine learning. He has published more than 80 technical papers in international journals and conference proceedings. Dr. E is the academic leader of Internet of things at Bohai University, an expert of degree and graduate management center of Chinese ministry of education, an evaluation expert of international science and technology cooperation plan of Chinese ministry of science and technology, an evaluation expert of Chinese science and technology award.

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