Title:

Internet of Things (IoT), Automatic Control

Abstract:

Internet of Things (IoT) enables humans to access, control and manage the operations of the objects working under different information systems. Currently IoT systems are applied in the areas like smart cities, health systems, smart homes, etc. Due to the large number of heterogeneous elements interacting and working under IoT systems, there is an enormous need of automatic control for the smooth running of IoT operations. The workshop will explore the potential of new approaches and technologies to develop better interactions between IoT and automatic control.

Scope and Topics:

Potential topics include but are not limited to:
- Ad-hoc Network
- Personal Area Network
- 4G/5G Wireless or Mobile Systems
- RFID Systems
- Imaging and Signal Processing
- Mobile Network and Internet
- Internet and Computer Applications
- Sensor tasking, control, and actuation
- Wireless Access
- Sensor Networks
- Adaptive control
- Robust control
- Control applications
- Process control
- Identification and estimation
- Networked control systems
- Nonlinear systems
- Hybrid systems
- Neural networks
- Fuzzy systems

Program Committee Chairs:

Guangchi Liu, Stratifyd Inc., USA
luke.liu@stratifyd.com
Guangchi Liu is currently a research scientist in the research & development department of Stratifyd, Inc., Charlotte, NC, USA. He received his Ph.D. in Computer

Science from Montana State University, USA. His research interests include Internet of things, trust assessment, social network, and wireless sensor network.

Qing Yang, University of North Texas, USA
qing.yang@unt.edu
Qing Yang is an Assistant Professor in the Department of Computer Science and Engineering at University of North Texas. He received his Ph.D. degree in Computer Science from Auburn University in 2011. He received B.S. and M.S. degrees in Computer Science from Nankai University and Harbin Institute of Technology, China, in 2003 and 2005, respectively. His research interests include Internet of Things, vehicular networks, security and privacy.

Chengshan Qian, Nanjing University of Information Science & Technology, China
qianchengshan@nuist.edu.cn
Chengshan Qian is a professor in School of Computer & Software, Nanjing University of Information Science & Technology, Nanjing, China. He received his Ph.D. degree in control theory and control engineering from Nanjing University of Aeronautics and Astronautics, China, in 2009. He received M.S. degree in measuring and testing technologies and instruments from Shandong University of Science and Technology, China, in 2003. His current research interests include Internet of Things, intelligent control and nonlinear system control.

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