

**The Second ACM Annual International Workshop on Mission-
Oriented Wireless Sensor Networking (ACM MiSeNet 2013)**

Final Program

October 4, 2013

9:00 am – 9:15 am

Welcome Message

Thomas F. La Porta (*Penn State University, USA*)

9:15 am – 10:30 am

Keynote Speech: On Optimal Scheduling of Collaborative Mobile Chargers
in Wireless Sensor Networks

Prof. Jie Wu (*Temple University, USA*)

Chair: Habib M. Ammari (*University of Michigan-Dearborn, USA*)

10:30 am – 11:00 am

Coffee Break

11:00 am – 12:30 pm

ACMMiSeNet-TS1: Modeling

Chair: Stephan Olariu (*Old Dominion University, USA*)

1. Modeling and Analysis of Bi-connected Minimum Energy Path Preserving Graphs for Wireless Multi-hop Networks

Ashikur Rahman (*Bangladesh University of Engineering and Technology, Bangladesh*) and Raqeebir Rab (*Concordia University, Canada*)

2. Queuing Modeling for Delay Analysis in Many-to-One Wireless Networks under the Protocol Interference Model

Bowu Zhang (*Mercyhurst University, USA*), Wei Cheng (*Virginia Commonwealth University, USA*), Limin Sun (*Institute of Information Engineering, China*), Xiuzhen Cheng (*The George Washington University, USA*), Taieb Znati (*University of Pittsburgh, USA*), Mznah A. Al-Rodhaan (*King Saud University, Saudi Arabia*), and Abdullah Al-Dhelaan (*King Saud University, Saudi Arabia*)

12:30 pm – 2:00 pm

Lunch Break

2:00 pm – 3:30 pm

ACMMiSeNet-TS2: Applications

Chair: Ehab Al-Shaer (*University of North Carolina Charlotte, USA*)

1. Catching Up with Traffic Lights for Data Delivery in Vehicular Ad Hoc Networks

Chao Song (*University of Electronic Science and Technology of China, China*), Jie Wu (*Temple University, USA*), Wei-Shih Yang (*Temple University, USA*), and Ming Liu (*University of Electronic Science and Technology of China, China*)

2. Total Variation Regularization for Training of Indoor Location Fingerprints

Duc Tran (*University of Massachusetts Boston, USA*) and Phong Truong (*University of Massachusetts Boston, USA*)

3. A Framework for Assessing the Quality of Event Detection in Sensor Networks

Shahram Mohrehkesh (*Old Dominion University, USA*), Stephan Olariu (*Old Dominion University, USA*), and Michele Weigle (*Old Dominion University, USA*)

3:30 pm – 4:00 pm

Coffee Break

4:00 pm – 5:30 pm

ACMMiSeNet–TS3: Human-Machine Interactions, Reachability, and Aggregation

Chair: Xiuzhen Cheng (*The George Washington University, USA*)

1. Human-Machine Conversations to Support Mission-Oriented Information Provision

Alun Preece (*Cardiff University, UK*), Dave Braines (*IBM United Kingdom Ltd, UK*), Diego Pizzocaro (*Cardiff University, UK*), and Christos Parizas (*Cardiff University, UK*)

2. SensorChecker: Reachability Verification in Mission-Oriented Sensor Networks

Ehab Al-Shaer (*University of North Carolina Charlotte, USA*), Qi Duan (*University of North Carolina Charlotte, USA*), Saeed Al-Haj (*University of North Carolina Charlotte, USA*), and Moustafa Youssef (Egypt- Japan University of Science and Technology, Egypt)

3. Toward Aggregating Time-Discounted Information

Stephan Olariu (*Old Dominion University, USA*), Shahram Mohrehkesh (*Old Dominion University, USA*), and Michele Weigle (*Old Dominion University, USA*)

5:30 pm – 7:00 pm

Best Paper Award Announcement

Brainstorming Session

Chair: Prof. Stephan Olariu (*Old Dominion University, USA*)

Closing Remarks