The First ACM Annual International Workshop on Mission-Oriented Wireless Sensor Networking (MiSeNet 2012)

Tentative Program

August 26, 2012

8:30 am – 10:00 am

Keynote Speech: Cyber-Physical and Networked Sensor Systems: Challenges and Future Directions

Prof. Sajal K. Das (*University of Texas at Arlington*, *USA*)

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

10:00 am – 10:30 am (Coffee Break)

10:30 am – 12:00 pm

MiSeNet–TS1: Participatory and Social Sensing

Chair: Mahta Moghaddam (*University of Southern California, USA*)

1. Evaluating Mobility Models in Participatory Sensing

   Ricardo Lent, Marcelino Minero, Javier Barria, and Robin North (*Imperial College London, South Kensington, UK*)

2. Socially-Aware Market Mechanism for Participatory Sensing

   Buster O. Holzbauer, Boleslaw K. Szymanski (*Rensselaer Polytechnic Institute, USA*), and Eyuphan Bulut (*Cisco Systems, USA*)

3. Could Human Intelligence Enhance Communication Opportunities in Mission-oriented Opportunistic Networks?

   Barun Saha and Sudip Misra (*Indian Institute of Technology, Kharagpur, India*)

12:00 pm – 1:30 pm (Lunch Break)

1:30 pm – 3:00 pm

MiSeNet–TS2: Fault tolerance, Reliability, and Security

Chair: Zygmunt J. Haas (*Cornell University, USA*)

4. An Effective Approach for Tolerating Simultaneous Failures in Wireless Sensor and Actor Networks

   Abdullah Alfadhly, Uthman Baroudi (*King Fahd University of Petroleum and Minerals, Saudi Arabia*), and Mohamed Younis (*University of Maryland Baltimore County, USA*)

5. Collaborating with Correlation for Energy Efficient WSN

Milen Nikolov and Zygmunt J. Haas (*Cornell University*, *USA*)

6. On the Optimal Allocation of Adversarial Resources

   Stylianos Gisdakis and Panos Papadimitratos (*Royal Institute of Technology, Sweden*)

3:00 pm – 3:30 pm (Coffee Break)

3:30 pm – 5:00 pm

MiSeNet–TS3: Architecture and Middleware

Chair: Mohamed Younis (*University of Maryland Baltimore County, USA*)

7. Ripple-2 : A Non-Collaborative, Asynchronous, and Open Architecture for Highly-Scalable and Low Duty-Cycle WSNs

   Agnelo Silva (*University of Southern California, USA*), Mingyan Liu (*University of Michigan Ann Arbor, USA*), and Mahta Moghaddam (*University of Southern California, USA*)

8. How Can Public Online Information Facilitate Message Forwarding in Opportunistic Networks

   Shanshan Lu, Yonghe Liu, and Mohan Kumar (*University of Texas at Arlington, USA*)

9. MARINE: MiddlewAre for Resource and mIssion oriented sensor Networks

   Rodrigo Araújo (*Federal University of Rio Grande do Norte – Natal, Brazil*), Jesús Portocarrero, José Renato Silva, Flavia Delicato, and Paulo Pires (*Federal University of Rio de Janeiro Rio de Janeiro, Brazil*)

Best Paper Award Announcement

Closing Remarks