
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
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