

IEEE Upstate NY Workshop on Communications, Sensors and Networking '07

Goldstein Student Center, Syracuse University, Syracuse, NY

November 9th 2007

Technical Program Schedule

Program at a Glance

8:30-11:00 Registration (poster setup)
8:30-9:00 Continental Breakfast (poster)
9:00-10:40 Oral Session 1
10:40-11:00 Coffee Break (poster)
11:00-12:00 Panel Discussion
12:00-1:00 Lunch
1:00-3:00 Oral Session 2
3:00-3:20 Poster Session and Coffee Break
3:20-5:00 Oral Session 3

Oral Session 1 (9:00-10:40)

Chair: Pramod Varshney, Syracuse University

Sensor Management System for Air Traffic Control Application
Ganapathi Kamath, Xiang Ye, and Lisa Osadciw, Syracuse University

A False Discovery Rate Based Framework for Distributed Detection in Wireless Sensor Networks
Priyadip Ray and Pramod K. Varshney, Syracuse University

Early Intrusion Projection and Impact Assessment for Cyber Situational Awareness
Shanchieh J. Yang, Daniel S. Fava, Jared Holsopple, Brian Argauer, Moises Sudit, RIT/SUNY,
Buffalo

A Survivability Model with Software Rejuvenation for Wireless Sensor Network
Thandar Thein, Dong Seong Kim, Sung-Do Chi, and Jong Sou Park, Korea Aerospace University,
Korea

Cross-layer Quality of Service Provisioning in Wireless Multimedia Sensor Networks
Tommaso Melodia, SUNY Buffalo

Break (10:40-11:00)

Panel Discussion (11:00-12:00)

The Relative Value of Current Communication and Sensor Network Research to Industry

Thomas Barnard - Lockheed Martin

Stu Card - Critical Technologies

John Fischer - Spectracom

Stanley Hack - Lockheed Martin

Ed Valovage - Sensis

Lunch (12:00-1:00)

Oral Session 2 (1:00-3:00)

Chair: Shanchieh J. Yang, Rochester Institute of Technology

On Side-Informed Coding of Noisy Observations in Sensor Networks

Chao Yu and Gaurav Sharma, University of Rochester

A MUI Deduction Pulse Shape Design Scheme for UWB Communications

Weihua Gao and Lisa Osadciw, Syracuse University

Extensions to the Preferred Ordering Theorem for Sequential Radar Updating

Donald M. Leskiw and Hong Wang, Syracuse University

A Study of Transceiver Architectures of Ultra-Wideband Impulse Radios

Jianyun Hu and Hui Wu, University of Rochester

Limiting Rate Behavior and Rate Allocation Strategies for Average Consensus Problems with Bounded Convergence

Mehmet E. Yildiz and Anna Scaglione, Cornell University

The Reality of Intelligent System Solutions to Heterogeneous Wireless Sensor Networks

Khin Haymar Saw Hla, Dong Seong Kim, YoungSik Choi, and Jong Sou Park, Korea Aerospace University, Korea

Oral Session 3 (3:20-5:00)

Chair: Azadeh Vosoughi, University of Rochester

Scalable Distributed Kalman Filtering Through Consensus
Shrut Kirti and Anna Scaglione, Cornell University

Cognition and Attention in Wireless Sensor Networks
Renita Machado and Sirin Tekinay, New Jersey Institute of Technology

Generating Contours in a Sensor Network Using Isovector Aggregation
Cheng Zhong and Michael Worboys, University of Maine, Orono

Trust Based Routing Aided by Collusion Detection in Wireless Sensor Networks
Brian Kravitz, Michael Goffman, Vic Candela, and Kyoung-Don Kang, SUNY Binghamton

A Low Latency Protocol for Bulk RFID Tag Reading
Erik F. Golen, Nirmala Shenoy, and Xiaojun Cao, RIT

Posters (3:00-3:20)

(Posters may be set up as early as 8:30am, and authors are welcome to interact with the workshop participants over the breaks throughout the day.)

Feature Selection for Wireless Face Recognition Sensor Network
Yanjun Yan and Lisa Osadciw, Syracuse University

Enhanced Passwords for Improved Network Security
Roman V. Yampolskiy, SUNY Buffalo

Multi-threat Containment with Dynamic Wireless Neighborhood Networks
Nathan A. Ransom and Shanchieh J. Yang, Harris Corp./RIT

Analysis of Acoustic and Seismic Sensor Data in Indoor Environments
Arun Subramanian and Pramod Varshney, Syracuse University

Distributed Detection of a Nuclear Radioactive Source using Correlated Decision Fusion
Ashok Sunderasan and Pramod Varshney, Syracuse University

Intelligent Sensor Networks for Improved IAQ
Swarnendu Kar and Pramod Varshney, Syracuse University