

Program SensorFusion'09

Session 1: Routing and Communication (Session Chair: Yskandar Hamam)

8:30 – 8:45 Welcome Message

8:45 – 9:10 *TreeDMA: a Hybrid MAC/Routing Solution for Small-Scale Wireless Networks*, Clement Kam, UCSD, USA

9:10 – 9:35 *Analysis of Cross-Layer Routing Protocols for Quality of Service in Real-Time Wireless Ad Hoc Sensor Networks*, William Hortos, USA

9:35 – 10:00 *A Multi-Layer Approach for Cross-Technology Communication in a Pervasive Community*, E. Dressler, R. Zender, U. Lucke, D. Tavangarian, Rostock, Germany

10:00 – 10:30 Coffee Break

Session 2: Event-based Mechanisms (Session Chair: Rajani Muraleedharan)

10:30 – 10:35 Welcome & Setup

10:35 – 11:00 *A Scheme for Efficient Tracking of Dynamic Event Region in Wireless Sensor Networks*, Yang YANG, Hiroshima University, Japan

11:00 – 11:25 *Adaptive pruning of event decision Trees for energy efficient collaboration in event-driven WSN*, Steffen Ortmann, IHP Micro Electronics, Germany

11:25 – 11:50 *Sensor Fusion-based Event Detection in Wireless Sensor Networks*, Majid Bahrepour, University of Twente, Netherlands

12:00 – 13:00 LUNCH

Session 3: Distributed Techniques (Session Chair: Steffen Ortmann)

13:00 – 13:05 Welcome & Setup

13:05 – 13:30 *A Distributed nodes' localisation approach in Wireless Sensor Networks* Yskandar Hamam, F'SATI at TUT, South Africa

13:30 – 13:55 *Secure Self-Adaptive Framework for Distributed Smart Home Sensor Network* Rajani Muraleedharan, Lisa Osadciw, Syracuse, USA

13:55 – 14:20 *Energy-efficient Task Allocation for Data Fusion in Wireless Sensor Networks* Zhigang Li, Northwestern Polytechnical University, China

14:20 – 14:45 Discussion & Closing Remarks