DCOSS ’06 WORKSHOP
EURO-AMERICAN WORKSHOP ON MIDDLEWARE FOR SENSOR NETWORKS (EAWMS)

SUNDAY, JUNE 18, 2006

8:00 am – 9:00 am  Continental Breakfast
9:00 am – 9:15 am  Opening Remarks: Stefan Fischer (Chair)

9:15 am - 10:30 am  SESSION 1
- FABRIC: Towards Data Type-centric Middleware Synthesis
  Dennis Pfisterer, Horst Hellbrück, Stefan Fischer (University of Lübeck, Germany)
- Rule-Oriented Programming for Wireless Sensor Networks
  Kirsten Terfloth, Georg Wittemburg, Joschen Schiller (Freie Universität Berlin, Germany)
  Discussion

10:30 am – 10:45 am  Break

10:45 am – 12:00 pm  SESSION 2
- Transiently Shared Tuple Spaces for Sensor Networks
  Amy L. Murphy (University of Lugano, Switzerland), Gian Pietro Picco (Politecnico di Milano, Italy)
- Sensor Network Middleware for Managing a Cross-Layer Architecture
  Christophe J. Merlin, Wendi B. Heinzelman (University of Rochester, USA)
  Discussion

12:00 pm – 1:00 pm  LUNCH (on your own)

1:00 pm – 2:15 pm  SESSION 3
- Frugal Mobile Objects
  Benoit Garbinato (University of Lausanne, Switzerland), Rachid Guerraoui, Jarle Halaas,
  Maxime Monod, Jesper H. Spring (EPFL, Switzerland)
- Resource-Aware Service Architecture for Collaboration of Sensor Nodes
  Jan Blumenthal, Dirk Timmermann (University of Rostock, Germany)
  Discussion

2:15 pm – 2:30 pm  Break

2:30 pm – 3:45 pm  SESSION 4
- Distributed Mining of Spatio-Temporal Event-Pattern in Sensor Networks
  Kay Rømer (ETHZ, Switzerland)
- Middleware and Simulation Support for WSN Motion Control Algorithm Design and Analysis
  Norbert Luttenberger, Jochen Koberstein (University of Kiel, Germany)
  Discussion

3:45 pm – 4:00 pm  Break

4:00 pm – 5:30 pm  SESSION 5
- SensorBase.org - a Centralized Repository to Slog Sensor Network Data
  Kevin Chang, Nathan Yau, Mark Hansen, Deborah Estrin (University of California at Los Angeles, USA)
- Pervasive Grids: Integrating Sensor Networks into the Fixed Grid
  Geoff Coulson (Lancaster University, England)
  Discussion
  Future Steps

Http://www.dcoss.org/dcoss06/
DCOSS ’06 WORKSHOP
MOBILITY AND SCALABILITY IN WIRELESS SENSOR NETWORKS (MSWSN)

SUNDAY, JUNE 18, 2006

8:00 am - 8:45 am   Continental Breakfast
8:45 am – 9:00 am   Opening Remarks
                    Christian Schindelhaer (Chair)

9:00 am - 11:00 am   SESSION 1: MOBILITY
  ▪ Invited Talk: Keith J. O’Hara (Georgia Institute of Technology, USA)
    Mobility and Pervasiveness in Physical Computing Systems
    joint work with Tucker Balch (Georgia Institute of Technology, USA)
  ▪ Mobility Management in Sensor Networks
    Muneeb Ali (Lahore University of Management Sciences, Pakistan),
    Thiemo Voigt (Swedish Institute of Computer Science, Kista, Sweden),
    Zartash Afzal Uzmi (Lahore University of Management Sciences, Pakistan)
  ▪ Autonomous Mobile Networks Overlaid on Public Transportation Networks
    G. Sampath (Rochester Institute of Technology, USA), J. TenEyck (Marist College, Poughkeepsie, USA)

11:00 am – 11:15 am  Break

11:15 am – 12:30 pm   SESSION 2: SCALABILITY
  ▪ Invited Talk: Sándor Fekete (Braunschweig University of Technology, Germany)
    Algorithmic Aspects of Large Sensor Networks
    joint work with Alexander Krüller (Braunschweig University of Technology, Germany),
    Dennis Pfisterer, Stefan Fischer (University of Lübeck, Germany)
  ▪ Intelligent Hierarchical Cluster-Based Routing
    Abdul W. Matin, Sajid Hussain (Jodrey School of Computer Science, Wolfville, Canada)

12:30 pm – 2:00 pm   LUNCH (on your own)

2:00 pm – 4:00 pm   SESSION 3: LIFETIME
  ▪ Invited Talk: Sotiris Nikoletseas (Research Academic Computer Technology Institute, Patras, Greece)
    Adaptive Power Saving for Heterogeneous Sensor Networks with Incremental Deployment
  ▪ Invited Talk: Jun Luo (School of Computer and Communication Sciences, Lausanne, Switzerland)
    Mobility to Improve the Lifetime of Wireless Sensor Networks: A Theoretical Framework
    joint work with Jean-Pierre Hubaux (School of Computer and Communication Sciences, Lausanne, Switzerland)

4:00 pm – 4:15 pm  Break

4:15 pm - 5:30 pm   PANEL DISCUSSION

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