

1st International Workshop on Pervasive Wireless Networking (PWN05)

March 12, 2005

In conjunction with the Thrid IEEE International Conference on
Pervasive Computing and Communications, PerCom 2005

Advance Program (Tentative)

Opening remark (10:00-10:10)

Session 1: Link Layer and Network Resources (10:10-11:10)

The Analysis of the Optimal Contention Period for Broadband Wireless Access Network
Sung-Min Oh and Jae-Hyun Kim (Ajou University, Korea)

Trading Latency for Energy in Wireless Ad Hoc Networks using Message Ferrying
Hyewon Jun, Wenrui Zhao, Mostafa H. Ammar, Ellen W. Zegura, and Chungki Lee (Georgia Institute of Technology, USA)

A Biologically Inspired Congestion Control Routing Algorithm for MANETs
Zhenyu Liu, Marta Kwiatkowska, and Costas Constantinou (The University of Birmingham, England)

Break (11:10-11:20)

Session 2: Routing and Broadcasting (11:20-12:20)

Experimental evaluation of Ad Hoc routing protocols
Eleonora Borgia (IIT Institute - Italian National Research Council, Italy)

Shortcut Detection and Route Repair in Ad-hoc Networks
Manel Guerrero Zapata (Universitat Pompeu Fabra, Barcelona)

Tunecast - Administratively Scoped Broadcast Received by Tuned Receivers
YangWoo Ko and Dongman Lee (Information and Communications University, Korea)
Kyungran Kang (Ajou University, Korea)

Lunch (12:30-1:30)

Session 3: Service Discovery and QoS Routing (1:30-2:30)

Label Switched Multi-Path Forwarding in Wireless Ad Hoc Networks
Hang Liu and Dipankar Raychaudhuri (Rutgers University, USA)

D2HT: Directory Federation using DHT to Support Open Scalability in Ubiquitous Network
K. H. Choi, H. J. Shin, and D. R. Shin (Sungkyunkwan University, Korea)

Routing Layer Support for Service Discovery in Mobile Ad Hoc Networks
Christopher N. Ververidis, and George C. Polyzos (Athens University of Economics and Business, Greece)

Break (2:30-2:40)

Session 4: Mobility and Location Management (2:40-3:40)

Adaptive Location Management Scheme for Mobile IP
Hawon Kim, Sungje Hong, and Jong Kim (Pohang University of Science and Technology, Korea)

The Area Graph-based Mobility Model and its Impact on Data Dissemination

Sven Bittner, Wolf-Ulrich Raffel, and Manuel Scholz (Freie Universität Berlin, Germany)

Bayesian based Location Estimation System using Wireless LAN

Seigo Ito and Nobuo Kawaguchi (Nagoya University, Japan)

Break (3:40-3:50)

Session 5: Security Issues (3:50-4:30)

Link Layer Security for SAHN Protocols

Muhammad Mahmudul Islam, Ronald Pose, and Carlo Kopp (Monash University, Australia)

Security Analysis of Two Anonymous Authentication Protocols for Distributed Wireless Networks

Duncan S. Wong (City University of Hong Kong, Hong Kong)