IEEE Globecom 2010 Workshop on Seamless Wireless Mobility

Friday, December 10, 2010

Technical Program

Friday, December 10, 2010 (Room: Merrick II)	
9:00-9:10	**Welcome Address**
9:10-10:30	**SWM01:** Mobility in Heterogeneous Wireless Networks
10:30-11:00	Coffee Break
11:00-12:30	**Keynote:** *Professor Mario Gerla,* University of California at Los Angeles **Panel:** *Professor Mario Gerla*, University of California at Los Angeles *Dr. John D. Matyjas*, Air Force Research Laboratory *Dr. Raquel Morera*, Telcordia Technologies
12:30-14:00	Lunch
14:00-15:30	**SWM03:** Mobility in Multihop Wireless Networks
15:30-16:00	Coffee Break
16:00-17:20	**SWM04:** Mobility Effects
17:20-17:30	**Closing Remarks**

Friday, December 10, 2010 (Room: Merrick II)

9:10 - 10:30

SWM01 - Mobility in Heterogeneous Wireless Networks

Session Chair: Jing Deng, UNC-Greensboro

Network-Assisted Handover for Heterogeneous Wireless Networks
Claudio Cicconetti (Intecs S.p.A., Italy); Francesco Galeassi (Intecs S.p.A., Italy); Raffaella Mambrini (Intecs S.p.A., Italy)

A Concept for Context-Enhanced Heterogeneous Access Management
Andreas Klein (University of Kaiserslautern, Germany); Christian Mannweiler (University of Kaiserslautern, Germany); Joerg Schneider (University of Kaiserslautern, Germany); Hans D. Schotten (University of Kaiserslautern, Germany)

"Dad, slow down, I am watching the movie" On Modeling Speed-Based Vertical Handovers in Vehicular Networks
Flavio Esposito (Boston University, USA); Anna Maria Vegni (University of ROMA TRE, Italy); Ibrahim Matta (Boston University, USA); Alessandro Neri (University of ROMA TRE, Italy)

End-to-end QoS Guaranteed Seamless Handover Scheme for Cognitive Heterogeneous Network

Chen Guangquan (Beijing University of Posts and Telecommunications, P.R. China); Mei Song (Professor, P.R. China); Yong Zhang (Beijing University of Posts and Telecommunications, P.R. China); Junde Song (Beijing University of Posts and Telecommunications, Taiwan)

Proxy Mobile IP with Distributed Mobility Anchors
H Anthony Chan (Huawei Technologies, USA)

11:00 - 12:30

SWM02 - Keynote Talk and Panel Discussion

Session Chair: Jason (Hongjun) Li, Intelligent Automation, Inc.

Keynote Talk:

Wireless Ad Hoc Networks: Making Mobility Work For You

Professor Mario Gerla, University of California-Los Angeles

Panel Discussion:

Panelists:

Professor Mario Gerla, University of California-Los Angeles

Dr. John D. Matyjas, Air Force Research Laboratory

Dr. Raquel Morera, Telcordia Technologies

Panel Questions:

1. Seamless connectivity in mobile ad hoc networks: what are the opportunities, challenges, and new applications in terms of the types of networks and use cases?

2. Coexistence of heterogeneous networks: with the rapid emergence of next generation wireless networks, e.g., LTE and WiMax, what are the new opportunities and challenges for R&D in light of legacy systems?

3. Cognitive networking and seamless mobility: what are the R&D challenges to the intriguing landscape of including mobility handling in cognitive networks?

4. New research directions?

14:00 - 15:30

SWM03 - Mobility in Multihop Wireless Networks

Session Chair: Jing Deng, UNC-Greensboro

A Multi-layer Approach for Seamless Soft Handoff in Mobile Ad Hoc Networks
Hui Zeng (Intelligent Automation, Inc., USA); Jason Hongjun Li (Intelligent Automation Inc., USA); Subir Das (Telcordia Technologies, USA); Anthony McAuley (Telcordia Technologies, USA); John Lee (Telcordia Technologies, Inc., USA); Thomas Stuhrmann (Army CERDEC, USA); Mario Gerla (University of California at Los Angeles, USA)

An IEEE 802.21-based Approach for Seamless Wireless Mobile Integration Using QoS-aware Paths supporting Unidirectional Links
Mathias Kretschmer (Fraunhofer FOKUS, Germany); Gheorghita Ghinea (Brunel University, United Kingdom)

Redefining Link Duration: Making Routing Sensitive to Mobility
Namusale Chama (UITC, University Lusofona, Portugal); Rute C. Sofia (Universidade Lusófona, Portugal)

On the Effects of Mobility for Efficient Broadcast Data Dissemination in I2V Networks
Stefano Busanelli (University of Parma, Italy); Gianluigi Ferrari (University of Parma, Italy); Vito Andrea Giorgio (University of Parma, Italy)

Lightweight Security Solution for Host-Based Mobility & Multi-Homing Protocols
Georg Hampel (Bell Labs - Lucent Technologies, USA); Vladimir Kolesnikov (Bell Labs, USA)

16:00 - 17:20

SWM04 - Mobility Effects
Session Chair: Jiang (Linda) Xie, UNC-Charlotte

Dynamic Tracking Area List Configuration and Performance Evaluation in LTE
Sara Modarres Razavi (Linköping University, Sweden); Di Yuan (Linköping University, Sweden); Fredrik Gunnarsson (Ericsson Research, Sweden); Johan Moe (Ericsson Research, Sweden)

Scalable Certificate Revocation List Distribution in Vehicular Ad Hoc Networks
Michael Nowatkowski (United States Military Academy at West Point, USA); Henry Owen (Georgia Institute of Technology, USA)

Cluster-Based Time-Domain Channel Prediction for Dynamic Wireless Communications
Viet-Ha Pham (The University of Western Ontario, Canada); Xianbin Wang (University of Western Ontario, Canada); Jay Nadeau (The University of Western Ontario, Canada); Jean-Yves Chouinard (Laval University, Canada)

Cell Searching and DoA Estimation Methods for OFDM-based Mobile Relay Stations with a ULA
Yo Han Ko (Chung-Ang University, Korea); Chang Hwan Park (Chung-Ang University, Korea); Won Young Yang (Chung-Ang University, Korea); Yong Soo Cho (Chung-Ang University, Korea)

Quantization Scheme for Energy Detector of Soft Decision Cooperative Spectrum Sensing in Cognitive Radio
Yuuki Tani (Chiba Institute of Technology, Japan); Takahiko Saba (Chiba Institute of Technology, Japan)