

# The Third IEEE International Workshop on Wireless Mesh and Ad Hoc Networks

(WiMAN 2009)

in conjunction with IEEE ICDCS 2009

Advance Program (Tentative)

**June 26, 2009**

**08:45 – 09:00** Open Remarks

**09:00 – 10:00** Keynote

Title: TBD

By Dr. Jie Wu (NSF Program Director, Distinguished Professor, Florida Atlantic University)

**10:00 – 10:30** Coffee Break

**10:30 – 12:00**

**Session 1: Routing and Channel Assignment**

Chair: Il-Min Kim (Queens University)

**Joint Channel Assignment and Multi-Path Routing for Multi-Radio Wireless Mesh Networks**

*Marco Di Felice (University of Bologna), Sara Pizzi (University “Mediterranea” of Reggio Calabria), Luciano Bononi (University of Bologna), Antonella Molinaro, (University “Mediterranea” of Reggio Calabria)*

**A Contention-Based Routing Protocol for Vehicular Ad Hoc Networks in City Environments**

*Tonghong Li (Technical University of Madrid), Yuanzhen Li (Beijing University of Posts & Telecommunications)*

**Nomad – A Mobile Ad Hoc and Disruption Tolerant Routing Protocol for Tactical Military Networks**

*Peter Holliday (Cisco Systems)*

**DT-DYMO: Delay-tolerant Dynamic MANET On-demand Routing**

*Stefan Ruehrup (University of Freiburg), Christian Kretschmer (University of Freiburg, Germany), Christian Schindelbauer (University of Freiburg, Germany)*

## **12:30 - 14:00 Lunch Break**

## **14:00 - 15:30**

### **Session 2: MAC, PHY, and Cross-Layer Optimizations**

Chair: Habib M. Ammari (Hofstra University)

#### **ML Performance Analysis of the Decode-and-Forward Protocol in Multi-Hop Networks**

*MinChul Ju (Queen's University), Il-Min Kim (Queens' University)*

#### **Performance Analysis of WiMedia UWB MAC**

*Rukhsana Ruby (University of Victoria), Jianping Pan (University of Victoria)*

#### **Approximate BER Expressions of Distributed Alamouti's Code in Two-Hop Systems**

*Zhihang Yi (Queen's University), Il-Min Kim (Queens' University)*

#### **Predictive Scheduling in Rate-Adaptive Multi-User Relay Channels with Reconfiguration Delays**

*Gokhan Sahin (Miami University)*

## **15:30 - 16:00 Coffee Break**

## **16:00 - 17:30**

### **Session 3: Mobility and Security**

Chair: TBD

#### **Software Architecture for Scalable Multi-Hop Mobility Emulation with Indoor Wireless Grids**

*Gautam Bhanage (WINLAB, Rutgers University), Yanyong Zhang (WINLAN, Rutgers University)*

#### **Dynamic TCP Proxies: Coping with Disadvantaged Hosts in MANETs**

*Tu Ouyang (Case Western Reserve University), Shudong Jin (Case Western Reserve University), Michael Rabinovich (Case Western Reserve University)*

#### **On the Implications of Adaptive Transmission Power for Assisting MANET Security**

*Andre Koenig (TU Darmstadt), Matthias Hollick (TU Darmstadt), Ralf Steinmetz (TU Darmstadt)*