



Montreal, Canada, 14 June 2010

The Second IEEE WoWMoM Workshop on Hot Topics in Mesh Networking

8:30 – 8:45: Opening

8:45 – 10:00: Session 1: Resource Management

Optimal Joint Routing and Scheduling in Wireless Mesh Networks with Smart Antennas
Mina Yazdanpanah, Chadi Assi, Yousef R. Shayan

On Access Point Association in Wireless Mesh Networks
Andrea Argento, Matteo Cesana, Ilaria Malanchini

Fast Computation of Schedules for Dynamic Traffic in Wireless Mesh Networks
Peng Wang, Stephan Bohacek

10:00 – 10:30: Coffee break

10:30 – 11:20: Session 2: Security & Cooperation

Router selfishness in community wireless mesh networks: cross-layer benefits and harms
Jerzy Konorski, Krzysztof Gierlowski

Misbehaving Router Detection in Link-state Routing for Wireless Mesh Networks
Gergely Acs, Levente Buttyan, Laszlo Dora

11:20 – 12:10: Session 3: Network Capacity

Path Diversity Gain with Network Coding and Multipath Transmission in Wireless Mesh Networks
Nikolaos Pappas, Vasilios Siris, Apostolos Traganitis

Analyzing the Effective Throughput in Multi-Hop IEEE 802.11n Networks
Simon Frohn, Sascha Gübner, Christoph Lindemann

12:10 – 13:45: Lunch break

13:45 – 14:45: Keynote Talk

What a Mesh! Self-Organizing Architectures for Next Generation Radio Access Networks
Sajal K. Das

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HoT 2010
MESH
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15:00 – 15:30: Coffee break

15:30 – 16:20: Session 4: Routing

Rope Ladder Routing: Position-Based Multipath Routing for Wireless Mesh Networks
Johannes Lessmann, Marcus Schoeller, Frank A. Zdarsky, Albert Banchs

Load-balanced Routing and Gateway Selection in Wireless Mesh Networks: Design, Implementation and Experimentation
Raffaele Bruno, Emilio Ancillotti, Marco Conti

The XO-Mesh Path Discovery Mechanism Sanity
Ricardo C Carrano, Luiz Magalhaes