

June 20, 2011 - Lucca, Italy

The 3rd IEEE Workshop on Hot Topics in Mesh Networking

PROGRAM

Opening (8:45 – 9:00)

Keynote Speech (9:00 – 9:50)

Contextual Media Delivery for Adaptive Video Streaming in a WiFi Mesh

Speaker: Dragan Boscovic (Motorola USA)

Session I: Optimisation of Wireless Networks (9:50 – 10:40)

Cognitive WMNs: A Distributed Mechanism for Leasing Cellular Network Bandwidth

Stavros Toumpis, Ioannis Tselekounis, George Stamoulis (Athens University of Economics and Business, Greece); Harald Meyer, Andrea Hess and Karin Anna Hummel (University of Vienna, Austria)

Optimised Scheduling for Wireless Mesh Networks using Fixed Cycle Times

Ian M Cooper, Stuart Allen, Roger Whitaker (Cardiff University, United Kingdom)

Coffee Break (10:45 – 11:15)

Session II: Routing Issues (11:15 – 12:45)

Overview and Optimization of Flooding Techniques in OLSR

Stephane Rousseau, Farid Benbadis, Damien Lavaux and Laurent San (Thales Communications, France)

An Efficient Routing Protocol for Point-to-Point Elastic Traffic in Wireless Mesh Networks

Emilio Ancillotti, Raffaele Bruno and Marco Conti (IIT-CNR, Italy)

Intelligent Route Discovery for ZigBee Mesh Networks

Antonio M. Ortiz, Fernando Royo, Teresa Olivares and Luis Orozco-Barbosa (University of Castilla-La Mancha, Spain)

Lunch Break (12:45 – 14:00)

Session III: High Layer Services (14:00 – 15:30)

A Self-organising Mesh Networking Solution Based on Enhanced RPL for Smart Metering Communications

Parag Gopal Kulkarni, Sedat Gormus, Zhong Fan and Benjamin Motz (Toshiba Research Europe Ltd., United Kingdom)

Bittorrent traffic optimization in Wireless Mesh Networks with ALTO service

Francesco Paolo D'Elia, Giovanni Di Stasi, Stefano Avallone and Roberto Canonico (University of Naples "Federico II", Italy)

ADAM: Administration and Deployment of Adhoc Mesh networks

Thomas Staub, Simon Morgenthaler, Daniel Balsiger, Paul Kim Goode and Torsten Ingo Braun (University of Bern, Switzerland)

Coffee Break (15:30 – 16:00)

Session IV: PHY Layer Issues (16:00 – 17:00)

MiFDR: Measurement of Inherent Frame Delivery Ratio of Wireless Links in Multi-rate Wireless Network

ChaoYi Bian, Bin Liu, Xin Jin, XiaoMing Li and Wei Yan (Peking University, P.R. China)

Effect of Nakagami-m Fading on the QoE Performance of VoIP in Wireless Mesh Networks

Suat Aksu, Enver Enis Güngör and Gunes Karabulut (Istanbul Technical University, Turkey)

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