

MeshTech'07

First IEEE International Workshop on Enabling Technologies and Standards for Wireless Mesh Networking

October 8, 2007. Pisa, Italy

<http://www.ing.unipi.it/meshtech07>



Technical Program



9:00am - 9:05am	Opening remarks
9:05am - 9:45am	Keynote speech "Enmeshed in the Future" Donald E. Eastlake III, Motorola Laboratories, 111 Locke Drive, Marlboro, MA 027157 USA Chair, IEEE 802.11 Mesh Networking Task Group (TGs)
9:45am - 10:45am	Session 1: Medium Access Chair: Luciano Lenzini IEEE 802.11s MAC Fundamentals Guido R. Hiertz, Sebastian Max, Yunpeng Zang, Thomas Junge, and Dee Denteneer A Distributed and Autonomous Beacon Scheduling Algorithm for IEEE 802.15.4/ZigBee Networks Ralf Burda and Christian Wietfeld Impact of Directional Antennas in Wireless Sensor Networks John Dunlop and Joan Cortés
10:45am - 11:15am	Coffee break
11:15am - 1:00pm	Session 2: Routing Chair: Enzo Mingozzi Update on the Hybrid Wireless Mesh Protocol of IEEE 802.11s Michael Bahr A Statistic-Based Approach towards Routing in Mesh Networks Alexander Klein and Phuoc Tran-Gia Interference-aware Multipath Selection for Reliable Routing in Wireless Mesh Networks Jack W. Tsai and Tim Moors Monitoring Assisted Robust Routing in Wireless Mesh Networks Zainab R. Zaidi and Bjorn Landfeldt
1:00pm - 2:00pm	Lunch
2:00pm - 3:00pm	Session 3: Performance Chair: Dee Denteneer Evaluation of VoIP Performance in Downlink Cellular Networks with Multihop Relaying Nikolaj Marchenko, Jakob Hoydis, Aik Chindapol, and Rainer Schoenen End-to-End Bandwidth Reservation in IEEE 802.16 Mesh Networks Claudio Cicconetti, Alessandro Ertà, Vanessa Gardellin, Luciano Lenzini, and Enzo Mingozzi On Indoor Multi-hopping capacity of Wireless Ad hoc Mesh Networks Mehran Abolhasan, Jerry Chun-Ping Wang, and Daniel Franklin
3:00pm - 3:45pm	Session 4: Network formation and Management Chair: Claudio Cicconetti Measurement Campaign on Connectivity of Mesh Networks formed by Mobile Devices Beatrice Pietrarca, Giovanni Sasso, Gian Paolo Perrucci, Frank H.P. Fitzek, and Marcos Katz MAYA: A Tool For Wireless Mesh Networks Management David Manzano, Juan-Carlos Cano, Carlos T. Calafate, and Pietro Manzoni
3:45pm - 4:15pm	Coffee break
4:15pm - 6:00pm	Panel "Wireless Mesh Networks - Applications and Challenges" Moderator: Dee Denteneer (Philips Research, NL) Panelists: Michael Bahr (Siemens AG, DE), Donald E. Eastlake 3rd (Motorola Laboratories, US), Frank H.P. Fitzek (Aalborg University, DK), Carl Eklund (Nokia Siemens Networks, FI)