

June 25, 2012, San Francisco, CA, USA



The Fourth IEEE International Workshop on Hot Topics in Mesh Networking (IEEE HotMESH'12)

PROGRAM

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Workshop Opening (8:15am)

Session I: Routing and Peer Selection in WMNs (8:30am - 10:00am)

Performance Study of the Better Approach to Mobile Adhoc Networking (B.A.T.M.A.N.) Protocol in the Context of Asymmetric Links

Alexander Klein (TU München, Germany), Lothar Braun (TU München, Germany), Fabian Oehlmann (TU München, Germany)

Distributed Lyapunov Drift-plus-penalty Routing for WiFi Mesh Networks with Adaptive Penalty Weight

José Núñez-Martínez (Centre Tecnologic de Telecomunicacions de Catalunya, Spain), Josep Mangues-Bafalluy (Centre Tecnologic de Telecomunicacions de Catalunya, Spain)

BestPeer - A Load-aware Multi-path Peer Selection for Wireless Mesh Networks

Marcel Cavalcanti de Castro (Karlstad University, Sweden), Andreas J. Kassar (Karlstad University, Sweden), Stefano Avallone (University of Naples, Italy)

Coffee Break (10:00am - 10:30am)

Session II: Keynote and Invited Paper (10:30am - 12:00am)

Keynote on "Multi-Hop Wireless Networks: Life After Network Protocols?"

Nitin Vaidya (UIUC, USA) (Click for abstract and bio)

Bowlmap: Network Monitoring and Debugging through Measurement Visualization (invited)

Benjamin Vahl (Telekom Innovation Laboratories, Germany), Francisco Luque (Universidad Carlos III de Madrid, Spain), Thomas Huehn (TU-Berlin, Germany), Cigdem Sengul (TU-Berlin, Germany)

Lunch Break (12:00am - 01:30pm)

Session III: Keynote and Invited Paper (01:30pm - 03:00pm)

Keynote on "Trust in Multi-hop Wireless Networks"

Prasant Mohapatra (UC Davis, USA) (Click for abstract and bio)

Empirical Analysis of Measured 802.11 Receive Signal Strength Values Using Various Atheros Based Mini-PCI Cards (invited)

Sebastian Robitzsch (University College Dublin, Ireland), Liam Murphy (University College Dublin, Ireland)

Coffee Break (03:00pm - 03:30pm)

Session IV: Security and Performance Evaluation for WMNs (3:30pm - 05:30pm)

Authorisation and Authentication Mechanisms in support of Secure Access to WMN Resources

Almerima Jamakovic (University of Bern, Switzerland), Torsten Braun (University of Bern, Switzerland), Thomas Staub (University of Bern, Switzerland), Markus Anwander (University of Bern, Switzerland)

FSASD: A Framework for Establishing Security Associations for Sequentially Deployed WMN

André Egners (RWTH Aachen, Germany), Hendrik Fabelje (RWTH Aachen, Germany), Ulrike Meyer (RWTH Aachen, Germany)

Evaluating the Impact of Frame Aggregation on Video-Streaming over IEEE 802.11n Multihop Networks

Sascha Gübner (University of Leipzig, Germany), Christoph Lindemann (University of Leipzig, Germany)

Analysis and Validation of the Maximal Reasonable Link Group Size in Static 802.11a Wireless Mesh Networks: A Study Towards Channel Assignment

Sebastian Robitzsch (University College Dublin, Ireland), Liam Murphy (University College Dublin, Ireland)

Closing Remarks (05:30pm - 05:40pm)

