

2014 13th Annual Mediterranean Ad Hoc Networking Workshop

(MED-HOC-NET 2014)

**Piran, Slovenia
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Program

R: Registration

O: Opening Session

S1: Technical Session 1

Towards a Robust Algorithm for Distributed Monitoring of Network Topology Changes

Helena Gruhn (Technische Universität Berlin, Germany); Per Persson (Ericsson Research, Sweden)
pp. 1-7

Cross-Layer Design Gains in MANETs

Ammar Alhosainy (Carleton University, Canada); Thomas Kunz (Carleton University, Canada); Li Li (Communication Research Centre of Canada, Canada); Philip J Vigneron (Communications Research Centre & Industry Canada, Canada)
pp. 8-14

Robustness and Stability of Utility Maximization Algorithms for MANETs

Ammar Alhosainy (Carleton University, Canada); Thomas Kunz (Carleton University, Canada); Li Li (Communication Research Centre of Canada, Canada)
pp. 15-22

Coffee Break

S2: Technical Session 2

Live P2P Streaming in CommunityLab: Experience and Insights

Luca Baldesi (University of Trento, Italy); Leonardo Maccari (University of Trento, Italy); Renato Lo Cigno (University of Trento, Italy)
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A Machine Learning Approach to QoE-based Video Admission Control and Resource Allocation in Wireless Systems

Alberto Testolin (University of Padova, Italy); Marco Zanforlin (University of Padova, Italy); Michele De Filippo De Grazia (University of Padova, Italy); Daniele Munaretto (University of Padova, Italy); Andrea Zanella (University of Padova, Italy); Marco Zorzi (University of Padova, Italy); Michele Zorzi (University of Padova, Italy)
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Trustworthy People-Centric Sensing: Privacy, Security and User Incentives Road-Map

Thanassis Giannetsos (KTH Royal Institute of Technology, Sweden); Stylianos Gisdakis (KTH Royal Institute of Technology, Sweden); Panagiotis (Panos) Papadimitratos (KTH, Sweden)
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PP1: Poster Presentations 1

Authors each present an short overview of their posters, max 3 minutes each.

Coffee Break

P1: Poster Session 1

On the Impact of the Video Quality Assessment in 802.11e Ad-Hoc Networks Using Adaptive Retransmissions

Riccardo Corrado (University of Trieste, Italy); Massimiliano Comisso (University of Trieste, Italy); Fulvio Babich (University of Trieste, Italy)
pp. 47-54

Sensor Authentication in Collaborating Sensor Networks

Jake Bielefeldt (Missouri S&T, USA); Sriram Chellappan (Missouri University of Science and Technology, USA)
pp. 55-62

Robust Probabilistic Information Dissemination in Energy Harvesting Wireless Sensor Networks

Eleni Kavvadia (Ionian University, Greece); George Koufoudakis (Ionian University, Greece); Konstantinos Oikonomou (Ionian University, Greece)
pp. 63-70

K1: Keynote Session

WR: Welcome Reception

S3: Technical Session 3

CADET: Confidential Ad-hoc Decentralized End-to-End Transport

Bartłomiej Polot (Technische Universität München, Germany); Christian Grothoff (Technische Universität München, Germany)
pp. 71-78

T-AAD: Lightweight Traffic Auto-ADaptations for Low-power MAC Protocols

Georgios Z. Papadopoulos (University of Strasbourg - ICube Lab, France); Julien Beaudaux (NTNU Trondheim, Norway); Antoine Gallais (University of Strasbourg, France); Thomas Noel (University of Strasbourg, France)
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Self-stabilizing TDMA Algorithms for Wireless Ad-hoc Networks Without External Reference

Thomas Petig (Chalmers University of Technology, Gothenborg, Sweden); Elad Michael Schiller (Chalmers University of Technology, Sweden); Philippas Tsigas (Chalmers University of Technology, Sweden)
pp. 87-94

Coffee Break

S4: Technical Session 4

Lane Based Backbone Synthesis Protocols for Vehicular Ad Hoc Networks

Izhak Rubin (University of California at Los Angeles, USA); Andrew Horng (UCLA, USA); Chun-Yu Yang (UCLA, USA)
pp. 95-102

Towards Software-Defined VANET: Architecture and Services

Ian Ku (UCLA, USA); You Lu (University of California, Los Angeles, USA); Mario Gerla (University of California at Los Angeles, USA); Rafael Gomes (University of Campinas (UNICAMP) & UCLA, Brazil); Francesco Ongaro (University of Bologna, Italy); Eduardo Cerqueira (Federal University of Para & UCLA & UFPA & UCLA, Brazil)

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RECORDS: a Remote Control Framework for Underwater Networks

Giovanni Toso (University of Padova, Italy); Ivano Calabrese (University of Padova, Italy); Paolo Casari (University of Padova, Italy); Michele Zorzi (University of Padova, Italy)
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PP2: Poster Presentations 2

Authors each present an short overview of their posters, max 3 minutes each.

Coffee Break

P2: Poster Session 2

A Markov Decision Model for Source Video Rate Allocation and Scheduling Policies in Mobile Networks

Massimiliano Pesce (University of Padova, Italy); Daniele Munaretto (University of Padova, Italy); Michele Zorzi (University of Padova, Italy)
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Improving the Energy Efficiency of WSN by Using Application-Layer Topologies to Constrain RPL-defined Routing Trees

Bruno F. Marques (School of Technology and Management of Viseu, Portugal); Manuel Ricardo (Universidade do Porto & INESC Porto, Portugal)
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A Markov-based Framework for Handover Optimization in HetNets

Francesco Guidolin (Università degli studi di Padova, Italy); Irene Pappalardo (University of Padova, Italy); Andrea Zanella (University of Padova, Italy); Michele Zorzi (University of Padova, Italy)
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Neighbors and Relative Location Identification Using RSSI in a Dense Wireless Sensor Network

Mohammad Abdellatif (INESC TEC & Faculdade de Engenharia da Universidade do Porto (FEUP), Portugal); Jose M Oliveira (INESC Porto & Faculdade de Economia do Porto, Portugal); Manuel Ricardo (Universidade do Porto & INESC Porto, Portugal)
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IS: Invited Session

An Overview of Opportunistic Ad Hoc Communication in Urban Scenarios

Claudio E. Palazzi (University of Padua, Italy); Armir Bujari (University of Padua, Italy); Gustavo Marfia (Università di Bologna, Italy); Marco Roccetti (University of Bologna, Italy)
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Analysis of Dynamic Frame Aloha with Frame Restart

Luca Barletta (Technische Universität München, Germany); Flaminio Borgonovo (Politecnico di Milano, Italy); Ilario Filippini (Politecnico di Milano, Italy)
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Learning From Errors: Detecting ZigBee Interference in WiFi Networks

Daniele Croce (University of Palermo, Italy); Domenico Garlisi (Università' di Palermo, Italy); Fabrizio Giuliano (Università' di Palermo, Italy); Ilenia Tinnirello (University of Palermo, Italy)
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SD: Social Dinner

S5: Technical Session 5

DTN-based Formula Student Rule Enforcement

Sebastian Schildt (TU Braunschweig, Germany); Wolf-Bastian Pöttner (Technische Universität Braunschweig, Germany); Johannes Morgenroth (Technische Universität Braunschweig, Germany); Bennet Sartori (TU Braunschweig, Germany); Lars C Wolf (Technische Universität Braunschweig, Germany); Willem Almstedt (TU Braunschweig, Germany); Hendrik Heine (TU Braunschweig, Germany); Sandra Hesse (TU Braunschweig, Germany); Eduardo Jiminez (TU Braunschweig, Germany); Tim Lüdtke (TU Braunschweig, Germany); Vinh Tran (TU Braunschweig, Germany); Daniel Mazur (Formula Student Germany e. V., Germany); Tobias Michaels (Formula Student Germany e. V., Germany); Christoph Stamprath (Formula Student Germany e. V., Germany); Nicolas Steinwand (Formula Student Germany e. V., Germany)

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Community Aware Content Retrieval in Disruption-Tolerant Networks

You Lu (University of California, Los Angeles, USA); Mario Gerla (University of California at Los Angeles, USA); Tuan Le (University of California, Los Angeles, USA); R. Vince Rabsatt (University of California Los Angeles, USA); Haik Kalantarian (University of California, Los Angeles, USA)

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Low-complexity Policies for Wireless Sensor Networks with Two Energy Harvesting Devices

Alessandro Biazon (University of Padova, Italy); Davide Del Testa (University of Padova, Italy); Michele Zorzi (University of Padova, Italy)

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PP3: Poster Presentations 3

Coffee Break

P3: Poster Session 3

Cognitive Routing with the ETX Metric

Tuan Le (University of California, Los Angeles, USA); R. Vince Rabsatt (University of California Los Angeles, USA); Mario Gerla (University of California at Los Angeles, USA)

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Providing Ubiquitous Communication Using Handover Techniques in VANET Systems

Arindam Ghosh (Middlesex University, United Kingdom); Vishnu Vardhan Paranthaman (Middlesex University, United Kingdom); Glenford E Mapp (Middlesex University & Cantego Limited, United Kingdom); Orhan Gemikonakli (Middlesex University, United Kingdom)

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Distributed Road Traffic Congestion Quantification Using Cooperative VANETs

Milos Milojevic (City University London, United Kingdom); Veselin Rakocevic (City University London, United Kingdom)

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Improved Estimation of Instantaneous Arrival Rates Via Empirical Bayes

Angelo Coluccia (University of Salento, Italy); Fabio Ricciato (AIT Austrian Institute of Technology GmbH, Austria)

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C: Closing