

2013 12th Annual Mediterranean Ad Hoc Networking Workshop

(MED-HOC-NET 2013)

**Ajaccio, France
24-26 June 2013**



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Technical program

Time	Monday, June 24, 2013	Time	Tuesday, June 25, 2013	Time	Wed., June 26, 2013
09:00	Conference Introduction				
09:30	Keynote Speech 1	09:30	Keynote Speech 2	09:30	Tutorial 1
11:00	Coffee break	11:00	Coffee break	11:15	Coffee break
11:20	Session I : WSN	11:20	Session IV : VANET	11:40	Session VII : Localization in Wireless Networks
13:00	Lunch break	13:00	Lunch break	12:30	Lunch break
14:30	Session II : Green Networking	14:30	Session V: New network architectures	14:00	Session VIII : Demo
15:45	Coffee break	16:10	Coffee break	15:00	Coffee break
16:15	Session III : MANET	16:30	Session VI : Short papers	15:30	Tutorial 2
17:30	End of the first day	17:30	End of the second day	17:00	End of the conference
		20 :30	Gala Dinner		

Monday, June 24, 2013

08:30 – 17:30 Registration desk opens

09:00 – 09:30 Conference introduction

09:30 – 11:00 Keynote Speech 1

WIRELESS CONTROLLED AND MANAGED FROM THE CLOUD

Omar Cherkaoui, UQAM, Canada

11:00 – 11:20 Coffee Break

11:20 – 13:00 Session I: Wireless Sensor Networks

Chairman: Gianni A. Di Caro

- [CROSS LAYER POWER ADAPTIVE CSMA/CA FOR SINK POWERED UNDERWATER ACOUSTIC SENSOR NETWORKS](#)
Alper Bereketli (METU, Turkey), Hasan Türken (ASELSAN Inc., Turkey), Semih Bilgen (METU, Turkey)
- [FRET-BASED MOBILE MOLECULAR NANONETWORKS](#)
Murat Kuscu, Ozgur B. Akan (Koc University, Turkey)
- [A LOCALIZED SLOT ALLOCATION ALGORITHM FOR WIRELESS SENSOR NETWORKS](#)
Domenico De Guglielmo, Giuseppe Anastasi (University of Pisa, Italy), Marco Conti (IIT-CNR, Italy)
- [OPTIMIZING THE PLACEMENT OF ANCHOR NODES IN RSS-BASED INDOOR LOCALIZATION SYSTEMS](#)
Alessandro E. C. Redondi, Edoardo Amaldi (Politecnico di Milano, Italy)

13:00 – 14:30 Lunch Break

14:30 – 15:45 Session II: Green Networking

Chairman: Khaldoun Al Agha

- [DISTRIBUTED ENERGY AWARE ROUTING PROTOCOL FOR LARGE-SCALE WIRELESS SENSOR NETWORK](#)
Yineng Wang, Xiaokang Lin, Zhang Zhang (Tsinghua University, China)
- [PERFORMANCE EVALUATION OF INTER-MAC GREEN PATH SELECTION PROTOCOL](#)
Abdesselem Kortebi, Olivier Bouchet (France Telecom/Orange Labs, France)
- [ENERGY-EFFICIENT RATE-ADAPTIVE PASSIVE TRAFFIC SENSING USING SMARTPHONES](#)
Raphael Frank, Foued Melakessou, German Castignani, Thomas Engel (Univ. of Luxembourg, Luxembourg)

15:45 – 16:15 Coffee Break

16:15 – 17:30 Session III: Mobile Ad-Hoc Networks

Chairman: Mario Gerla

- [A SOCIAL-BASED SERVICE DISCOVERY PROTOCOL FOR MOBILE AD HOC NETWORKS](#)
M. Girolami, P. Barsocchi (ISTI-CNR, Italy), S. Chessa (University of Pisa, Italy), F. Furfari (ISTI-CNR, Italy)
- [IMPACT OF PROTOCOLS ON TRAFFIC BURSTINESS AT LARGE TIMESCALES IN WIRELESS MULTI-HOP NETWORKS](#)
Kaustubh Jain, John S. Baras (University of Maryland, USA)
- [ON-LINE SUPERVISED INCREMENTAL LEARNING OF LINK QUALITY ESTIMATES IN WIRELESS NETWORKS](#)
Gianni A. Di Caro, Eduardo Feo Flushing, Jawad Nagi, Luca Maria Gambardella (IDSIA, Switzerland), Imran Ahmed (University of Lugano, Switzerland)

17:30 End of the first day

Tuesday, June 25, 2013

09:00 – 17:30 Registration desk opens

09:30 – 11:00 Keynote Speech 2

HETEROGENEOUS CELLULAR NETWORKS: FROM RESOURCE ALLOCATION, TRANSMISSION COORDINATION AND USER ASSOCIATION AND BEYOND

Catherine Rosenberg, University of Waterloo

11:00 – 11:20 Coffee Break

11:20 – 13:00 Session IV: Vehicular Ad-Hoc Networks

Chairman: Marcelo M. Carvalho

- [DONC: DELAY-BASED OPPORTUNISTIC NETWORK CODING PROTOCOL](#)
Farhan Hyder Mirani (Supelec, France), Anthony Busson (ENS, France), Cédric Adjih (INRIA, France)
- [A DELAY-SENSITIVE VEHICULAR ROUTING PROTOCOL USING ANT COLONY OPTIMIZATION](#)
Guangyu Li, Lila Boukhatem (University of Paris-Sud 11, France)
- [A CLUSTER BASED ARCHITECTURE FOR INTERSECTION COLLISION AVOIDANCE USING HETEROGENEOUS NETWORKS](#)
Lung-Chih Tung, Jorge Mena, Mario Gerla (UCLA, USA), Christoph Sommer (Univ. of Innsbruck, Austria)
- [KEY DEPENDENT CIPHER SCHEME FOR SENSOR NETWORKS](#)
Hassan Noura, Steven Martin, Khaldoun Al Agha (Univ. of Paris-Sud, France), Walter Grote (UTFSM, Chile)

13:00 - 14:30 Lunch Break

14:30 – 16:10 Session V: New Network Architectures

Chairman: Stefano Secci

- [RE-ESTABLISHING NETWORK CONNECTIVITY IN POST-DISASTER SCENARIOS THROUGH MOBILE COGNITIVE RADIO NETWORKS](#)
Angelo Trotta, Marco Di Felice, Luca Bedogni, Luciano Bononi (University of Bologna, Italy)
- [A MOBILITY SCHEME FOR COGNITIVE RADIO NETWORKS](#)
Emna Trigui, Moez Esseghir, Leila Merghem-Boulahia (University of Technology of Troyes, France)
- [SOCIAL NETWORK BASED SECURITY SCHEME IN MOBILE INFORMATION-CENTRIC NETWORK](#)
You Lu, Zhiyang Wang, Yu-Ting Yu, Ruolin Fan, Mario Gerla (University of California, Los Angeles, USA)
- [TCAM TABLE RESOURCE ALLOCATION FOR VIRTUAL OPENFLOW SWITCH](#)
Imen Limam Bedhiaf, Omar Cherkaoui (UQAM, Canada), Richard Burguin, Mikael Salaun (EMN, France)

16:10 – 16:30 Coffee Break

16:30 – 17:30 Session VI: Short papers Session

Chairman: Rami Langar

- [OCA-MAC: OPPORTUNISTIC CHANNEL AGGREGATION FOR WIRELESS AD HOC NETWORKS](#)
Larissa E. de Oliveira, Marcelo M. Carvalho (Univ. of Brasilia, Brazil), Luiz A. DaSilva (Virginia Tech, USA)
- [THE EFFECTS OF USING PARTITION-WIDE ROUTING INFORMATION IN WIRELESS DELAY TOLERANT NETWORKS](#)
Anna Sidera (Univ. of Cyprus, Cyprus), Stavros Toumpis (Athens Univ. of Economics and Business, Greece)
- [SECURE DATA AGGREGATION IN WIRELESS SENSOR NETWORKS](#)
Soufiene Ben Othman, Abdelbasset Trad, Habib Youssef (ISITC, Tunisia)

17:30 End of the second day

20:30 Social Event, Diner at Campo Dell'Oro Hotel, Best Paper Award Announcement (during dinner)

Wednesday, June 26, 2013

08:30 – 14:30 Registration desk opens

09:30 – 11:15 Tutorial 1

RADIO RESOURCE MANAGEMENT IN SMALL-CELL NETWORKS

Rami Langar, UPMC, France

11:15 – 11:40 Coffee break

11:40 – 12:30 Session VII: Localization in Wireless Networks

Chairman: Brigitte Kervella

- SOFTWARE-BASED SYSTEM FOR MEASURING LOCATION OBSERVABLES IN IEEE 802.11 NETWORKS
Israel Martin-Escalona, Francisco Barcelo-Arroyo, Enrica Zola (Universitat Politècnica de Catalunya, Spain)
- LOCALIZING A WHEELCHAIR INDOORS WITH MAGNETIC SENSORS
Ruolin Fan, Silas Lam, Emanuel Li, Mario Gerla (UCLA, USA), Oleksandr Artemenko (TU Ilmenau, Germany)

12:30 – 14:00 Lunch break

14:00 – 15:00 Session VIII: Demo session

Chairman: Guy Pujolle

15:00 – 15:30 Coffee break

15:30 – 17:00 Tutorial 2

THE FUTURE WIRELESS GENERATIONS

Guy Pujolle, POSTECH, Korea/UPMC, France

17:00 End of the Conference