

MESH 2011

Foreword

The Fourth International Conference on Advances in Mesh Networks (MESH 2011), held between August 21-27, 2011 in Nice/Saint Laurent du Var, France, built on the previous editions to address the most challenging aspects for designing and deploying mesh networks

The wireless mesh networks came to rescue the challenging issues related for predicting the location of a user and choosing the position of access points in wireless distributed systems. Basically mesh networks guarantee the connectivity through a multihop wireless backbone formed by stationary routers. There is no differentiation between uplink and downlink, but performance depends on the routing protocols. There are several challenging issues for properly exploiting wireless mesh networks' features, such as fast-link quality variation, channel assignments, performance, QoS-routing, scalability, slow/high speed mobile users, service differentiation, and others.

We take here the opportunity to warmly thank all the members of the MESH 2011 technical program committee as well as the numerous reviewers. The creation of such a broad and high quality conference program would not have been possible without their involvement. We also kindly thank all the authors that dedicated much of their time and efforts to contribute to the MESH 2011. We truly believe that thanks to all these efforts, the final conference program consists of top quality contributions.

This event could also not have been a reality without the support of many individuals, organizations and sponsors. We also gratefully thank the members of the MESH 2011 organizing committee for their help in handling the logistics and for their work that is making this professional meeting a success.

We hope the MESH 2011 was a successful international forum for the exchange of ideas and results between academia and industry and to promote further progress in the field of mesh networks.

We hope Côte d'Azur provided a pleasant environment during the conference and everyone saved some time for exploring the Mediterranean Coast.

MESH 2011 Chairs

Advisory Chairs

Eugen Borcoci, University "Politehnica" of Bucharest (UPB), Romania

Petre Dini, Concordia University, Canada / China Space Agency Center - Beijing, China

Andreas J. Kassler, Karlstad University, Sweden

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Industry Liaison Chairs

Michael Bahr, Siemens AG - München, Germany

Vladimir Sulc, Microrisc s. r. o. - Jicin, Czech Republic

Research/Industry Chairs

Mathilde Benveniste, Wireless Systems Research/En-aerion, USA

Special area Chairs

Ad Hoc

Karoly Farkas, University of West Hungary / Budapest University of Technology and Economics, Hungary

WiMax

Jens Myrup Pedersen, Aalborg University - Aalborg Øst, Denmark

QoS/Routing

Mats Björkman, Mälardalen University, Sweden

Testbeds

Stefan Bouckaert, Ghent University - IBBT, Belgium

João Paulo Barraca, University of Aveiro, Portugal