The 3rd IEEE International Workshop on Hot Topics in Mesh Networking
HotMESH 2011

Message from the Workshop Chairs

It gives us great pleasure to introduce the technical program of the third IEEE Workshop on Hot Topics in Mesh Networking (HotMESH 2011). Following the success of the previous editions, the HotMESH workshop is now a well-established, high profile forum for researchers, engineers, and practitioners to present state-of-the-art research in the field of wireless mesh networking. Although significant advances have taken place in this field in the last few years, fundamental open questions and technical challenges still remain to build highly scalable, reliable and cost-effective wireless backbones for mobile users. One of the issues of particular interest to this workshop edition is how wireless mesh networks could be integrates with and/or influence existing mobile and fixed broadband networks in order to create an integrated infrastructure that supports emerging services. Then, the main purpose of this workshop is to promote discussions on recent advances in the analysis design and implementation of systems, protocols and services for next generation mobile mesh networks. It also aims at increasing the synergy between academic and industry professionals working in this area.

This year we received 26 papers, and the members of the Technical Program Committee, together with several external reviewers, identified 10 high quality papers for presentation in the workshop technical sessions. The papers were selected with a rigorous review process, and each paper received at least 3 reviews from the members of our program committee. Overall, the final program is excellent and diverse. After looking over the papers, we found three dominant themes emerged: Routing in Mesh Networks, New Services for Mesh Networks, and Wireless Resource Management in Mesh Networks. Finally, the workshop program includes an exciting and thought-provoking Keynote talk given by Dragan Boscovic, who is currently Senior Director of Wireless Systems and Networks at Motorola, with significant experience that spans both academia and industry in both Europe and America.

The organization of this workshop has been possible due to the hard work and dedication of many colleagues. Special thanks are due to the members of the Technical Program Committee and to all external referees for their invaluable contributions in completing the review process. We are also grateful to the WoWMoM workshops co-chairs, Albert Banchs and Luciano Bononi for their support and encouragement. We are very grateful to all the authors for submitting their fine work to HotMESH 2011.

Raffaele Bruno, IIT-CNR Pisa, Italy
Vasilios Siris, AUEB and FORTH-ICS, Greece
HotMESH 2011 Organization

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Vasilios Siris, AUEB and FORTH-ICS, Greece

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Maria Bucci, IIT-CNR, Italy