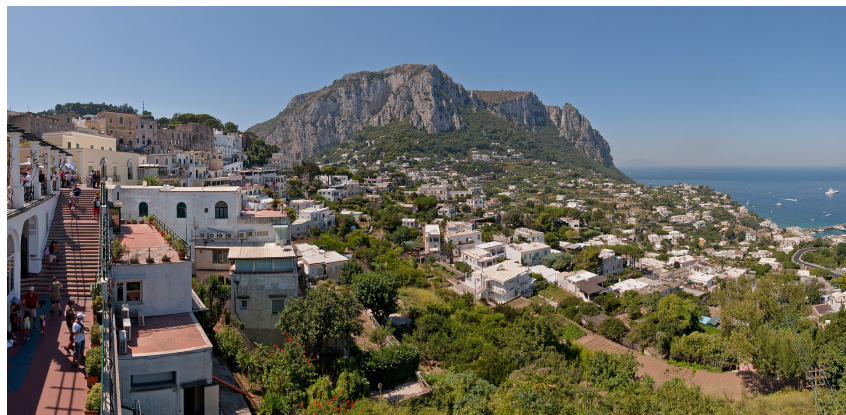


2018 17th Annual Mediterranean Ad Hoc Networking Workshop (Med-Hoc-Net)

June 20-22, 2018, Capri Island, Italy



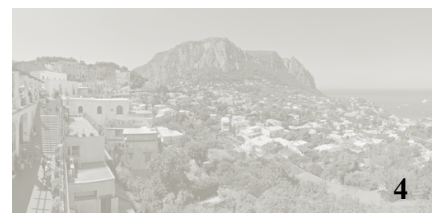
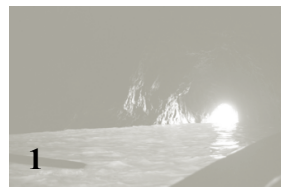
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Message from the General co-Chairs

Dear Friends and Colleagues,

It is a great pleasure to welcome you to Med-Hoc-Net 2018 in the wonderful scenario of Capri, and in particular, in the impressively beautiful location of the University of Naples International Center for Scientific Culture “Villa Orlandi”. Med-Hoc-Net traditionally is a workshop aimed to address new research results in the field of ad hoc networking. The theme of this edition, which is the 17th of the long history of Med-Hoc-Net, is however much broader than classical networking concepts, specifically being focused on the emerging methodologies and technologies expected to have an unprecedented impact on the effective interoperability of the future-generation 5G network with the plethora of smart devices anticipated by the IoT paradigm.

Keeping on the tradition of the previous Med-Hoc-Net editions, the Organizing Committee being appointed this year has prepared a stimulating program including technical presentations, invited talks, panels, as well as social events.

Med-Hoc-Net 2018 is proud to have a very top-level keynote speaker, such as Dr. Ian F. Akyildiz, who is Ken Byers Chair Professor and Director of the Broadband Wireless Networking Laboratory at the School of Electrical and Computer Engineering, Georgia Institute of Technology, Atlanta (USA). Prof. Akyildiz will give a talk on “Internet of Space Things: An SDN/NFV based New Communication Architecture with New CubeSats Design”.

Med-Hoc-Net 2018 has also organized a panel on the theme of “Safety, Privacy, and Cybersecurity”, including an invited talk which will be provided by Dr. Gérard Le Lann, who is Research Director Emeritus at INRIA, Paris (France).

We would like to thank all of our colleagues who have been contributing to make Med-Hoc-Net 2018 a great event, and specifically the Technical Program Co-Chairs (Christoph Sommer, from the University of Paderborn, Germany, and Stefano Basagni, from the Northeastern University, Boston, USA), all members of the Technical Program Committee, and the Publication Chair (Gianluca Masei, from CNIT, Italy). We are also grateful to all colleagues of the Steering Committee (Farouk Kamoun, Giovanni Pau, Guy Pujolle, Ian F. Akyildiz, Khaldoun Al Agha, Luigi Fratta, and Mario Gerla), who have been strongly pushed us to organize the 17th edition of Med-Hoc-Net here in Capri.

We hope that you can profitably exploit the chance to meet the scholars and researchers coming from all around the world to attend Med-Hoc-Net 2018.

Once more, on behalf of the whole Organizing Committee of Med-Hoc-Net 2018, we are pleased to welcome you, hoping that you have a truly inspiring and rewarding experience. We will do our very best to make your staying in Capri comfortable and enjoyable!

Luigi Paura and Sergio Palazzo
Med-Hoc-Net 2018 General co-Chairs

Message from the Technical Program co-Chairs

As program co-chairs, and on behalf of the entire Technical Program Committee, we are pleased to welcome you to the 17th Annual Mediterranean Ad Hoc Networking Workshop, Med-Hoc-Net 2018, in beautiful Capri, Italy. These conference proceedings represent the best of 39 registered papers submitted by authors from 19 countries. It was our job to distill these into the 17 papers that our program could accommodate (44 % acceptance rate).

This hard task mainly fell on the shoulders of a very international technical program committee, made up of 51 outstanding scientists from 17 countries – from this year’s host country, Italy, all the way to the USA and Japan. We are immensely grateful to these dedicated committee members for their hard work. Almost all committee members acted as reviewers themselves, with less than a fifth of reviews being delegated (without exception, to equally skilled and dedicated reviewers). Our reviewers contributed an average of 4.3 reviews per paper, a total of almost 38 000 words, and individual reviews of up to almost 1200 words in length, making the overall process rigorous and informative.

It was immediately obvious that this year’s selection process would be highly competitive: while, overall, reviews were well balanced (around an average overall recommendation of “borderline”), with room for only 17 papers and 34 reviewed submissions, the best paper we could not include in the program was rated no worse than an average overall recommendation of “weak accept”. Finally, we managed to form the submissions into a program which we hope to be both exciting and stimulating. Authors from 11 different countries are presenting work that is fully in the tradition of Med-Hoc-Net, this year focused on real world implementations, novel techniques, and technology. Further, we are happy that the technical program also embraces wholly new topics to this venue such as research on Smart Grids and Unmanned Aerial Vehicles (UAVs). Such novel concepts are evidenced by, for example, a submission on self-organizing swarm drone hotspots with massive MIMO networking. We hope that you will enjoy the program as much as we did enjoy putting it together, and the stunning settings of this year’s Med-Hoc-Net.

Christoph Sommer and Stefano Basagni
Med-Hoc-Net 2018 Technical Program co-Chairs

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