

# SIGNAL 2016

## Foreword

The First International Conference on Advances in Signal, Image and Video Processing (SIGNAL 2016), held between June 26 - 30, 2016 - Lisbon, Portugal, was an inaugural event. Signal, video and image processing constitutes the basis of communications systems. With the proliferation of portable/implantable devices, embedded signal processing became widely used, despite that most of the common users are not aware of this issue. New signal, image and video processing algorithms and methods, in the context of a growing-wide range of domains (communications, medicine, finance, education, etc.) have been proposed, developed and deployed. Moreover, since the implementation platforms experience an exponential growth in terms of their performance, many signal processing techniques are reconsidered and adapted in the framework of new applications. Having these motivations in mind, the goal of this conference was to bring together researchers and industry and form a forum for fruitful discussions, networking, and ideas.

We take here the opportunity to warmly thank all the members of the SIGNAL 2016 Technical Program Committee, as well as the numerous reviewers. The creation of such a high quality conference program would not have been possible without their involvement. We also kindly thank all the authors who dedicated much of their time and efforts to contribute to SIGNAL 2016. We truly believe that, thanks to all these efforts, the final conference program consisted of top quality contributions.

Also, this event could not have been a reality without the support of many individuals, organizations, and sponsors. We are grateful to the members of the SIGNAL 2016 organizing committee for their help in handling the logistics and for their work to make this professional meeting a success.

We hope that SIGNAL 2016 was a successful international forum for the exchange of ideas and results between academia and industry and for the promotion of progress in the field of signal processing.

We are convinced that the participants found the event useful and communications very open. We also hope that Lisbon provided a pleasant environment during the conference and everyone saved some time for exploring this beautiful city.

### **SIGNAL 2016 Chairs:**

Constantin Paleologu, University Politehnica of Bucharest, Romania

Wilfried Uhring, ICube, University of Strasbourg and CNRS, France

Malka N. Halgamuge, University of Melbourne, Australia

Sergey Yurish, Excelera, S. L. | IFSA, Spain

Rafael Caldeirinha, Instituto de Telecomunicações | Polytechnic Institute of Leiria, Portugal

Nicolas H. Younan, Mississippi State University, USA

Ramesh Rayudu, Victoria University of Wellington, New Zealand