

# ALLSENSORS 2016

## Forward

The First International Conference on Advances in Sensors, Actuators, Metering and Sensing (ALLSENSORS 2016), held between April 24 and April 28, 2016 in Venice, Italy, was an inaugural event covering related topics on theory practice and applications of sensor devices, techniques, data acquisition and processing, and on wired and wireless sensors and sensor networks.

Sensors and sensor networks have a great potential of providing diverse services to a broad range of applications, not only on science and engineering, but equally importantly on issues related to critical infrastructure protection and security, healthcare, the environment, energy, food safety, and the potential impact on the quality of all areas of life.

Sensor networks and sensor-based systems support many applications today above ground. Underwater operations and applications are quite limited by comparison. Most applications refer to remotely controlled submersibles and wide-area data collection systems at a coarse granularity. Other remote sensing domains and applications are using special sensing devices and services.

Transducers and actuators complement the monitoring and control and constitute an area of interest related to sensors. They make use of specific sensor-based measurements and convey appropriate control actions.

ALLSENSORS 2016 was intended to serve as a forum for researchers from the academia and the industry, professionals, standard developers, policy makers, investors and practitioners to present their recent results, to exchange ideas, and to establish new partnerships and collaborations. The topics were on techniques and applications, best practices, awareness and experiences as well as future trends and needs (both in research and practice) related to all aspects of sensor-based applications and services.

The conference had the following tracks:

- Biosensors and bio-oriented electronics
- Sensor technologies and materials
- Sensor-related techniques and methods
- Sensor types
- Metering/Measurements

We take here the opportunity to warmly thank all the members of the ALLSENSORS 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 that dedicated much of their time and effort to contribute to ALLSENSORS 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 also gratefully thank the members of the ALLSENSORS 2016 organizing committee for their help in handling the logistics and for their work that made this professional meeting a success.

We hope ALLSENSORS 2016 was a successful international forum for the exchange of ideas and results between academia and industry and to promote further progress in the field related to sensors, actuators, metering and sensing. We also hope that Venice, Italy, provided a pleasant environment during the conference and everyone saved some time to enjoy the unique charm of the city.

**ALLSENSORS Advisory Committee**

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