

ALLSENSORS 2019

Forward

The Fourth International Conference on Advances in Sensors, Actuators, Metering and Sensing (ALLSENSORS 2019), held in Athens, Greece, February 24 - 28, 2019, covered related topics on theory practice and applications of sensor devices, techniques, data acquisition and processing, and on wired and wireless sensors and sensor networks.

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 2019 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 accepted papers covered a large spectrum of topics 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.

We take here the opportunity to warmly thank all the members of the ALLSENSORS 2019 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 ALLSENSORS 2019. 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. In addition, we also gratefully thank the members of the ALLSENSORS 2019 organizing committee for their help in handling the logistics and for their work that is making this professional meeting a success.

We hope the ALLSENSORS 2019 was a successful international forum for the exchange of ideas and results between academia and industry and to promote further progress on the topics of sensors.

We also hope that Athens provided a pleasant environment during the conference and everyone saved some time for exploring this beautiful city.

ALLSENSORS 2019 Chairs

ALLSENSORS Steering Committee

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

Michael Niedermayer, Beuth University of Applied Sciences - Berlin, Germany

Jagannathan Sarangapani, Missouri University of Science and Technology, USA

Qingsong Xu, University of Macau, Macau, China

Càndid Reig, University of Valencia, Spain

Sandrine Bernardini, Aix Marseille University, France

Gholamreza Alirezaei, Institute for Theoretical Information Technology | RWTH Aachen University, Germany

Tamer Nadeem, Old Dominion University, USA

ALLSENSORS Industry/Research Advisory Committee

Paulo E. Cruvinel, Embrapa Instrumentation, Brazil

Yuriy S. Shmaliy, Universidad de Guanajuato, Mexico

Suzanne Leseq, LIALP - Commissariat à l'énergie atomique et aux énergies alternatives MINATEC Campus, France

Xin Wang, Qualcomm, Inc., USA

Matteo Tonezzer, Italian National Research Council - Institute of Materials for Electronics and Magnetism (CNR - IMEM), Italy