

ALLSENSORS 2024

Forward

The Ninth International Conference on Advances in Sensors, Actuators, Metering, and Sensing (ALLSENSORS 2024), held between May 26th and May 30th, 2024, in Barcelona, Spain, continued a series of events 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 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.

We take here the opportunity to warmly thank all the members of the ALLSENSORS 2024 technical program committee, as well as all the 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 effort to contribute to ALLSENSORS 2024. We truly believe that, thanks to all these efforts, the final conference program consisted of top-quality contributions. We also thank the members of the ALLSENSORS 2024 organizing committee for their help in handling the logistics of this event.

We hope that ALLSENSORS 2024 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 sensors, actuators, metering, and sensing.

ALLSENSORS 2024 Chairs

ALLSENSORS 2024 Steering Committee

Michael Niedermayer, Berliner Hochschule für Technik, Germany

Paulo E. Cruvinel, Embrapa Instrumentation, Brazil

Matteo Tonezzer, CNR-IMEM, Trento, Italy

Sandrine Bernardini, Aix Marseille University, France

Almudena Rivadeneyra, Universidad de Granada, Spain

ALLSENSORS 2024 Publicity Chairs

Sandra Viciano Tudela, Universitat Politècnica de Valencia, Spain

Laura Garcia, Universidad Politécnica de Cartagena, Spain