

SENSORDEVICES 2017

Forward

The Eighth International Conference on Sensor Device Technologies and Applications (SENSORDEVICES 2017), held between September 10-14, 2017 in Rome, Italy, continued a series of events focusing on sensor devices themselves, the technology-capturing style of sensors, special technologies, signal control and interfaces, and particularly sensors-oriented applications. The evolution of the nano-and microtechnologies, nanomaterials, and the new business services make the sensor device industry and research on sensor-themselves very challenging.

Most of the sensor-oriented research and industry initiatives are focusing on sensor networks, data security, exchange protocols, energy optimization, and features related to intermittent connections. Recently, the concept of Internet-of-things gathers attention, especially when integrating IPv4 and IIPv6 networks.

The conference had the following tracks:

- Sensor devices
- Photonics
- Sensors domain-oriented devices, technologies, and applications
- Healthcare Sensors and Systems
- Sensor device technologies
- Trends on sensing devices and applications
- Medical devices and sensors applications
- Gas sensors
- Ultrasonic and Piezosensors
- Printed sensors

We take here the opportunity to warmly thank all the members of the SENSORDEVICES 2017 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 that dedicated much of their time and effort to contribute to SENSORDEVICES 2017. We truly believe that, thanks to all these efforts, the final conference program consisted of top quality contributions.

We also gratefully thank the members of the SENSORDEVICES 2017 organizing committee for their help in handling the logistics and for their work that made this professional meeting a success.

We hope that SENSORDEVICES 2017 was a successful international forum for the exchange of ideas and results between academia and industry and to promote further progress in the field of sensor devices. We also hope that Rome, Italy provided a pleasant environment during the conference and everyone found some time to enjoy the historic charm of the city.

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