

9th International Conference on Sensors and Electronic Instrumentation Advances

<https://www.seia-conference.com/>

20-22 September 2023
Funchal (Madeira Island), Portugal



The 9th Annual International Conference on Sensors and Electronic Instrumentation Advances (SEIA' 2023) is a forum for presentation, discussion, and exchange of information and latest research and development results in both theoretical and experimental research in sensors, transducers and their related fields, including artificial intelligence based sensors and sensor systems. It brings together researchers, developers, and practitioners from diverse fields including international scientists and engineers from academia, research institutes, and companies to present and discuss the latest results in the field of sensors and measurements.

The SEIA conference is focusing any significant breakthrough and innovation in Sensors, Electronics, Measuring Instrumentation and Transducers Engineering Advances and its applications with broadest concept including Internet of Things (IoT), wearable devices, smart homes and cities, healthcare, etc. The conference is organized by the International Frequency Sensor Association (IFSA) - one of the major professional, non-profit association serving for sensor industry and academy since 1999.

Sensor Technology

- Accelerometers
- Inclinometers
- Gyroscopes
- Mechanical Sensors
- Optical Sensors
- Optical Fiber Sensors
- Photonic Sensors
- Chemical Sensors
- Biosensors
- Immunosensors
- BioMEMS
- Temperature Sensors
- Pressure Sensors
- Acoustic Sensors
- Electromagnetic Sensors
- Gas Sensors
- Humidity Sensors
- Infrared Sensors, Devices and Thermography
- Radiation Sensors
- Multi Sensor Fusion
- Smart Sensors
- Intelligent Sensors
- Artificial Intelligence based Sensors and Sensor Systems
- Virtual Sensors
- Sensor Interfacing and Signal Conditioning
- Sensor Calibration
- Nanomaterials and Electronics Technology for Sensors
- Semiconductor Materials for Sensors
- Polymer Materials for Sensors
- MEMS and NEMS
- Remote Sensors and Telemetry
- Sensor Applications

Sensor Instrumentation and Measuring Technology

- Metrology and Measurement Science
- Methods of Measurements
- Calibrations and Standards
- Measurement of Electrical Quantities
- Time and Frequency Measurements
- Measurement of Force, Mass, Torque, Inclination and Acceleration
- Magnetic Measurements
- Hardness Measurements
- Measurement of Geometrical Quantities
- Temperature and Thermal Measurements
- Pressure and Vacuum Measurements
- Vibration and Noise Measurement
- Flow Measurements
- Chemical Measurements
- Quantum Measurements and Photonics
- Acoustics and the Ultrasonic Measurements
- Environmental Measurements
- Power and Energy Measurements
- Measurement of Human Functions
- Measurements in Biology and Medicine
- Mathematical Tools for Measurements
- Optical and Radiation Measurements
- Microwave Measurements
- Virtual Instruments and Data Acquisition Systems
- Soft Measurements
- Measurement Systems
- Distributed Measurements
- Analog-to-Digital Converters, Digital and Mixed Signal Processing
- Waveform Analysis and Measurements
- Scientific and Industrial Instrumentation
- Cyber-Physical Systems and IoT
- Experimental Mechanics

- Measurement in Robotics
- Metrology in Food and Nutrition
- Intelligent and Computer Vision Instruments
- Reliability of Instrument and Measurement Systems
- Nanometrology
- Technical Diagnostics and Testing
- Nondestructive Testing
- Blockchain Applications in Metrology and Measurements
- Education and Training in Measurement and Instrumentation

Special Sessions:

Authors are welcome to propose and manage special sessions during the SEIA' 2023. Each special session will contain 4-6 papers in a related field as specified above.

Session organizers will get: Certificate of Appreciation; Free Registration; Special Publishing Theme within Conference Proceedings.

Contribution Types:

- Keynote presentations
- Invited talks
- Special sessions
- Regular and Poster sessions
- Special Sessions
- Online Sessions (on demand)
- Exhibition

Deadlines (extended):

Submission (2-page extended abstract): **25 June 2023**
Notification of acceptance: **15 July 2023**
Registration: **31 July 2023**
Camera ready and late registration: **31 August 2023**



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One event - three different publications !

1. All registered abstracts will be published in the conference proceedings. The SEIA Conference Series Proceedings are indexed in Conference Proceedings Citation Index (CPCI), Web of Science by Clarivate Analytics.

2. Authors will be invited to submit full-page extended papers to special issue of 'Sensors & Transducers' open access journal, which is published in both formats: print and electronic (pdf) or in the special issues of open access journals MDPI Sensors, MDPI Chemosensors, MDPI Biosensors or MDPI Micromachines.

3. The limited number of full-page papers published in the journals will be selected by the Editorial Board to extend to open access book chapters for the Book Series on 'Advances in Sensors: Reviews', Vol. 9, 'Advances in Biosensors: Reviews', Vol. 4 or 'Advances in Measurements and Instrumentation: Reviews', Vol. 3. These Book Series are indexed in the Book Citation Index (Web of Science) by Clarivate Analytics.

Conference Hotel

Pestana Casino Park Hotel
Rua Imperatriz D Amelia, 9004-513 Funchal, Portugal

Social Programme

- Welcome Cocktail: 19 September 2023 (20:00-21:30).
- Gala Dinner: 21 September 2023 (20:00-23:30)

Organizing Committee

Chairman:

Prof., Dr. Yurish, Sergey (IFSA, Spain),
e-mail: SYurish@sensorsportal.com

Advisory Chairmen

Prof. Vijyakumar Varadarajan (The University of New South Wales, Australia)
Dr. Daneshmand Malayeri, Amin (Asia-SAME, UAE)

Conference and Publication Manager

Tetyana Zakharchenko (IFSA Publishing, S.L., Spain)

Steering Committee:

Prof. Gennaro Conte (University Roma Tre, Italy)
Dr. Pavel Shuk (Saint-Gobain NorPro, USA)
Dr. Marius Gheorghe (Ideal Aerosmith, Inc., USA)
Dr. Paolo Dabove (Politecnico di Torino, Italy)
Prof. George Kiriakidis (European Materials Research Society (E-MRS), France)
Prof. Svetlana V. Procopchina (Financial Univ., Russia)
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