

12th International Conference on Sensors and Electronic Instrumentation Advances

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

30 September - 2 October 2026
Granada, Spain



The XII International Conference on Sensors and Electronic Instrumentation Advances brings together researchers, innovators, and industry leaders to advance sensor science and electronic instrumentation by linking fundamental research, engineering practice, and real-world deployment. The conference provides a platform for presenting innovations that improve the measurement, monitoring, and control of complex systems in industry, environment, healthcare, mobility, energy, and smart infrastructure. Particular emphasis is placed on moving sensing technologies from prototypes to scalable, reliable applications. SEIA' 2026 welcomes original research papers, applied case studies, and technology demonstrations across diverse sensor types and modalities. Main topics include accuracy, calibration, uncertainty evaluation, reliability, validation in demanding environments, manufacturability, testing, interoperability, system integration, secure connectivity, and regulatory compliance. Through technical sessions and applied tutorials, the conference aims to strengthen the global sensing community and promote secure, interoperable, and standards-aware solutions with practical impact.

Sensor Technology

- Accelerometers
- Inclometers
- 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' 2026. 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 Sessions
- Poster Sessions
- Special Sessions
- Online Sessions
- Exhibition

Extended Deadlines:

Submission (2-page extended abstract): **still open**
Notification of acceptance: **in 2 weeks after submission**
Registration: **25 July 2026**
Camera ready and late registration: **30 August 2026**



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One event - three different publications !

1) All registered abstracts will be published in the conference proceedings (with the ISBN and DOI). Some previous 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 open access journal: *Sensors & Transducers* (ISSN: 2306-8515, e-ISSN: 1726-5479), published by IFSA Publishing (Barcelona, Spain), and indexed in Scopus and MDPI *Sensors* (ISSN 1424-8220) open access journal, published by MDPI AG (Basel, Switzerland). Impact factor: 3.5.

3) The papers, presented at SEIA' 2026 may be extended to open access book chapters for the Book Series on 'Advances in Sensors', Vol. 10, 'Advances in Biosensors', Vol. 4 or 'Advances in Measurements and Instrumentation', Vol. 3. Some previous Book Series volumes are indexed in the Book Citation Index (Web of Science) by Clarivate Analytics.

Conference Hotel

The SEIA' 2026 Conference will be held in Barceló Granada Congress Hotel, Granada, Spain

Address: Calle Maestro Montero 12 18004 Granada Spain

Social Programme

- Welcome Cocktail: 29 September 2026 (20:00-21:30)
- Gala Dinner: 1 October 2026 (20:00-23:00)
- Farewell Cocktail: 2 October 2026, Friday (after lunch time)

Organizing Committee

Chairman

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

Advisory Chairman

Prof. Vijyakumar Varadarajan
(Hano Technical University, Somalia)

Conference and Publication Manager

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

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Prof. Gennaro Conte (University Roma Tre, Italy)

Dr. Pavel Shuk (Saint-Gobain NorPro, USA)

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Dr. Paolo Dabove (Politecnico di Torino, Italy)

Prof. George Kiriakidis (European Materials Research Society (E-MRS), France)

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