

# 6<sup>th</sup> International Conference on Sensors and Electronic Instrumentation Advances

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



**23 - 25 September 2020 • Porto, Portugal**

The 6<sup>th</sup> Annual International Conference on Sensors and Electronic Instrumentation Advances (SEIA' 2020) 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. 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. The main aim of SEIA conference is to find solutions, which let to withstand the mentioned restraining factors.

The conference is focusing any significant breakthrough and innovation in Sensors, Electronics, Measuring Instrumentation and Transducers Engineering Advances and its applications including Internet of Things (IoT), wearable devices, smart homes and cities, healthcare, etc. by focusing on main areas as:

## 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
- 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
- Software 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
- Education and Training in Measurement and Instrumentation

## Contribution Types:

- Keynote presentations
- Invited talks
- Industrial presentations
- Regular papers
- Special session papers
- Posters
- Exhibition
- Tutorials

## Special Sessions:

Authors are welcome to propose and manage special sessions or give a half-day pre-conference tutorial during the SEIA' 2020. 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



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## Extended deadlines:

Submission (2-page extended abstract): **1 June 2020**  
Notification of acceptance: **20 June 2020**  
Registration: **10 July 2020**  
Camera ready and late registration: **30 July 2020**

## One event - three publications !

1. All registered abstracts/papers will be published in the conference proceedings.
2. Selected extended papers will be published in Sensors & Transducers or Sensors and Materials journals.
3. The best full-page papers will be recommended to extend to book chapters for 'Advances in Sensors: Reviews' Book Series.

## Social Programme

### Welcome Cocktail

22 September 2020 (20:00-22:00). The Welcome Cocktail will take place in the Holiday Inn Porto Gaia hotel. Do not miss this opportunity to say the first "hello" to attendees and committee members.

### Gala Dinner & Port Wine Degustation

24 September 2020 (18:30-23:00). The Gala Dinner will take place on a comfort and elegant modern river cruise boat to enjoy the river Douro. The preliminary Port wine degustation will take place in the famous Sandeman Cellar - one of the most popular attractions in Porto, before the Gala Dinner.

## Organizing Committee

### Chairmen:

**Prof., Dr. Yurish, Sergey** (IFSA, Spain),  
e-mail: SYurish@sensorsportal.com  
**Dr. Daneshmand Malayeri, Amin** (Asia-SAME, UAE)  
e-mail: amin.daneshmand87@gmail.com

### Advisory Chairmen

Prof. Gennaro Conte (University Roma Tre, Italy)  
Dr. Pavel Shuk (Rosemount Analytical and Detection, Measurements Solution, Emerson, 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 University under the Government of the Russian Federation, Russia)  
Prof., Dr. Vijayakumar Varadarajan (The University of New South Wales, Australia)

### Conference and Publication Manager

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

