



Organizing Committee and Contacts

Chairmen:

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Advisory Chairmen

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

Organizing Committee

Dr. Alexey Vasiliev (NRC 'Kurchatov Institute', Moscow, Russia)
Dr. Nikolay Samotaev (National Research Nuclear University, Moscow, Russia)
Dr. Victor G. Ralchenko (Harbin Institute of Technology, Harbin, China)
Dr. Andrey Bolshakov (Russian Academy of Sciences (GPI-RAS), Moscow, Russia)

Sponsors:



Venue

The SEIA' 2017 conference will take place 20-21 September 2017 in Moscow International Business Center 'Moscow City' - a commercial district in central Moscow, Russia, which combines business activity, living space and entertainment.

Conference Hotel

Novotel Moscow City
Presnenskaya Naberezhnaya, 2
123317 Moscow - Russian Federation

Social Programme

A visit to Moscow cannot be complete without an evening social event, and SEIA' 2017 will be not exception. In 2017 we will have dinner whilst taking a 4-hour cruise down the Moscow River. There will be no speeches, no technical presentations, merely an opportunity to relax and enjoy Moscow in friendly atmosphere - bring a quest with you !

Deadlines:

Submission (2-page abstract) 20 March 2017
Notification of acceptance 20 April 2017
Registration 20 May 2017
Camera Ready 30 June 2017

3rd International Conference on Sensors and Electronic Instrumentation Advances



**20-22 September 2017
Moscow, Russia**

2nd Call for Papers



The 3rd International Conference on Sensors and Electronic Instrumentation Advances (SEIA' 2017) 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 1st SEIA conference was held in Dubai (UAE), 21-22 November 2015 and the 2nd - in Barcelona, Castelldefels (Spain), 22-23 September 2016.

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 conference is organized by the International Frequency Sensor Association (IFSA) and Asian Society of Applied Mathematics and Engineering (ASAME) in technical cooperation with National Research Center Kurchatov Institute and National Research Nuclear University (both from Moscow, Russia). IFSA is a non-profit association and is operated exclusively for educational, scientific and technical purposes for the benefit of the international sensor community.

We trust that you will find SEIA' 2017 conference professionally rewarding and stimulating as well as enjoyable. Welcome to SEIA' 2017 !

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
- Industrial presentations
- Regular papers
- Posters

One event - three publications !

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



Preliminary Programme

Keynote Presentations:

Diamond Sensors for Charged Particle Tracking and Dosimetry
Dr. Alexander Oh, University of Manchester, UK

Super-thin scCVD Diamond Membrane Radiation Detectors: Fabrication, Characterization and Applications
Dr. Michal Pomorski, CEA-LIST, Diamond Sensors Laboratory, France

Special Sessions:

- 1. Advances in Diamond Detectors and Instrumentation**
(Chairmen: Prof. Gennaro Conte, University Roma Tre, Italy and Dr. Victor G. Ralchenko, Harbin Institute of Technology, Harbin, China)
- 2. Sensors and Actuators for VOCs and Odour Communication Systems**
(Chairman: Prof. Vibha S. Vaishnav, Sardar Patel University, India)
- 3. Polymer Nanocomposite Based Sensors**
(Chairman: Dr. Kishor Kumar Sadasivuni, Qatar University, Qatar)
- 4. Nanosensors for Environment, Safety and Security**
(Chairman: Dr. Bonex Wakufwa Mwakikunga, CSIR- National Centre for Nano-Structured Materials, South Africa)
- 5. Soft Bio-sensing Technologies**
(Chairman: Prof. Alessandro Tognetti, University of Pisa, Italy)
- 6. Mechanical and Structural Health Monitoring and Controls Sensor Applications**
(Chairman: Dr. Mosbeh R. Kaloop, Mansoura University, Egypt)
- 7. Environmental Monitoring and Mapping Applications**
(Chairman: Dr. Paolo Dabove, Politecnico di Torino, Italy)
- 8. DNA Biosensors and Their Potential Clinical Applications**
(Chairman: Prof. Xueji Zhang, University of Science and Technology Beijing, China)

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