

Joint TC1 - TC2 International Symposium on Photonics and Education in Measurement Science

in collaboration with the Conference on Optical Fibre & Photonic Sensors for Industrial & Safety Applications (OFSIS)
17.09.-19.09.2019, Jena, Germany

IMEKO
TC1 – TC2 Jena 2019

The **Joint TC1 - TC2 International Symposium on Photonics and Education in Measurement Science 2019** addresses recent research and developments in photonic instrumentation and applications as well as education and training in measurement sciences. The format of the conference will be single-track with both oral lectures and posters as well as scientific tours and exhibition of instruments and systems.



Scientific Keynotes and
Lectures about New
Technologies, Methods and
Applications



Scientific Tours and Exhibition
of Instruments and Solutions
for Photonic Measurement
Sciences



High-level Contacts for Scientific
Exchange and Project-based
Cooperation in Research &
Development



Pre-Planned Matchmaking
Event for Scientists and
Engineers as well as
Digital Documentation

Dates: 17.09.-19.09.2019

www.imeko-jena.com

Conference Venue:

Technologie- und Innovationspark Jena GmbH, Hans-Knöll-Straße 6, 07745 Jena, Germany

Reviewing & Publication:

All submitted papers will be peer-reviewed. All accepted papers planned to be published in the **SPIE Digital Library**. In addition, it is planned that chosen authors can extend and modify their papers and that these papers could then be considered for publication in a **SPIE Journal**.

Highlights:

- Special Keynote about “Current and future developments in photonic measurement engineering for quality assurance in industry, biology, medicine and daily life”
- Conference dinner with collaborative networking and “Thuringian Barbecue”
- 60 oral lectures in 8 sessions and two poster sessions are planned (best paper & poster award)
- Exclusive tour to the Fraunhofer Institute for Applied Optics and Precision Engineering IOF
- Scientific tour to the German Optical Museum
- Exclusive Scientific Exhibition of Instruments and Solutions for Photonic Measurement Sciences
- Special session on “Intelligent Digital Multichannel Image Processing and Multichannel Image Capturing” (ID2M) from the research group “Qualimess – next generation”
- Special session with International Conference on Optical Fibre and Photonic Sensors for Industrial and Safety Applications (OFSIS)

Scientific Topics:

- Measurement, Instrumentation and Photonics for Education & Training
- Applied Photonics for Science and Engineering in Industry, Biology, Medicine, Environment and Administration
- Sensor & System Characterization for Machine Vision and Image Processing
- Photonic Sensors and Systems for Multimodal Sensing
- Photonics, Machine Vision and Image Processing in UV, VIS, NIR, SWIR and LWIR Wavelength Range including also Thermal and THz
- Software & Processing of Multivariate and Multidimensional Data as well as Deep Learning Approaches
- Development of Models, Methods and Algorithms in Photonics, Machine Vision and Image Processing

Scientific Committees:

TC1 – Education & Training in Measurement and Instrumentation

Chairman: Dr.-Ing. Maik Rosenberger, Technische Universität Ilmenau, Ilmenau, GERMANY

Vice Chairman: Pawel Mazurek, Warsaw University of Technology, Warsaw, POLAND

Scientific Secretary: Paul-Gerald Dittrich, SpectroNet International Collaboration Cluster, Jena, Germany

TC2 – Photonics

Chairman: Prof. Dr. Bernhard Zagar, Johannes Kepler University, Linz, AUSTRIA

Vice Chairman: Prof. Dr. Robert Schmitt, RWTH Aachen University, Aachen, GERMANY

Scientific Secretary: Jörn Riedel, RWTH Aachen University, Aachen, GERMANY

OFSIS – Representatives

Prof. Tongyu Liu, Qilu Technology University (Shandong Academy of Science), CHINA

Prof. Yanong Ning, Qilu Technology University (Shandong Academy of Science), CHINA



Well-known experts from leading research facilities, companies and institutions will give methodical, scientific and technical insights on their latest research and developments in photonic measurement engineering for quality assurance.

Partners & Supporters

