

Second International Workshop on Photonics Applied to Electromagnetic Measurements

PEM2017

5 – 6 October 2017

Venue: Volkshaus, Zürich, Switzerland

Workshop Chair: Prof. Niels Kuster (ETH Zürich, Switzerland)

Co-Chair: Prof. Hiroshi Murata (Osaka Univ., Japan)

Keynote Speakers: Dr. Satoru Kurokawa (AIST, Japan)

Prof. Dr. Lukas Novotny (ETH Zürich, Switzerland)

Scope:

- 1. Basic theory/techniques of photonics-applied electromagnetic measurement**
 - ✓ Microwave photonics, Fiber optics, Microwave engineering, Sensing technology, Antenna measurements, Electromagnetic compatibility (EMC) measurements, Electrical and electronic circuit measurements, Imaging and Radar
- 2. Photonics-applied electromagnetic measurement systems**
 - ✓ Electromagnetic-field measurement systems, Optical measurement systems, EMC measurement systems, Optical sources, Probes and sensors, Remote sensing systems, Optical fiber systems
- 3. Closely-related technologies of photonics-applied electromagnetic measurement**
 - ✓ Optical signal transmission techniques, Signal restoring and reconstructing techniques, Image processing techniques
- 4. New device/technology for photonics-applied electromagnetic measurement**
 - ✓ Advanced electro-optic sensor, Antenna-coupled photonic device, High-speed photonic device
New antennas/probes for electromagnetic measurement
- 5. New applications of photonics-applied electromagnetic measurement**

Special Session:

“Biomedical applications of photonics-applied electromagnetic measurement”

Paper Submission Deadline (Extended): 10 July 2017

<https://www.itis.ethz.ch/pem2017/>

PEM2017 Zürich

Technical committee on Photonics
-applied Electromagnetic Measurement

IEICE Communications Society