

Call for Papers

ISMTII 2013

The 11th International Symposium on Measurement Technology and Intelligent Instruments



Venue

The 11th ISMTII will take place in Aachen, Germany from **July 1st until July 5th, 2013**, hosted by RWTH Aachen University, Fraunhofer IPT and Physikalisch-Technische Bundesanstalt PTB.

We cordially invite you to participate in the upcoming event

- with a manuscript and a talk about your research
- by presenting your company and products at the accompanying exhibition

Scientific Scope

The conference will address the role of metrology in technical solutions facing global challenges. The sessions will therefore focus on but are not limited to the following topics:

- micro and nano metrology
e.g. for functional surfaces, nanostructures and surface textures
- macro metrology
e.g. as reference systems and for the measurement of large gears
- in-process and inline metrology
e.g. for the production of fiber-reinforced plastics components
- Intelligent instruments for automation
e.g. self-optimizing systems and self-diagnostic systems
- Sensors and actuators
e.g. for quality perception
- Management of measurement processes
e.g. process planning, estimating measurement uncertainty, traceability, data and signal processing, modeling and simulation
- Calibration and machine tool performance
e.g. for ultra-precision manufacturing and large volume manufacturing
- Optical metrology
e.g. for semiconductor manufacturing and composites
- Material characterization
e.g. hardness testing, computer tomography and ultrasound
- Education and training in metrology
e.g. academic education, professional training and blended learning

The presentations will address applications in optical, medical, biotechnology, aerospace and production engineering industry

Important Deadlines

November 16th, 2012
Submission of Abstracts

April 1st, 2013
Submission of manuscripts

Contact

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More details about the event on: www.ismtii2013.rwth-aachen.de

