



The International Measurement Confederation  
IMEKO



Politechnika Świętokrzyska  
Kielce University of Technology



Politechnika Krakowska  
Kraków University of Technology



Akademia Techniczno-Humanistyczna  
w Bielsku-Białej  
University of Bielsko-Biala



Fundacja im. Stanisława Staszica  
Stanislaw Staszic's Foundation

### Information for authors

We invite you to submit original, unpublished papers in the fields mentioned under Symposium topics. The abstracts are to be submitted by January 15th 2013. The content of the abstracts will be the basis for acceptance of the paper presentation at ISMQC2013. The members of International Programme Committee will review the abstracts and authors will be informed about acceptance of their paper for presentation at Symposium by March 15th 2013. The abstract should be at least 200 words, but not exceeding 500 words in English. The author informations should be counted in the limitation of the abstract. Figures cannot be attached to the abstract. Abstract must include title of the paper, authors' names, affiliation, phone and fax numbers, corresponding addresses and email addresses.

### Accommodation

Participants are kindly requested to make their own accommodation arrangements. A list of recommended hotels will be provided on the Symposium website.

### Registration fees

The symposium fee covers attendance, proceedings and technical visits. The fee is 400 Euros for early registration, or 450 Euros for late registration. The early registration deadline is 30 June 2013. All the payment details including the account number will be given on the Symposium website.

### Working Language

The working language of the Symposium will be English.

### Address of the Congress Secretariat:

Kielce University of Technology  
Faculty of Mechatronics and Machinery Design  
Chair of Mechanical Engineering and Metrology  
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Symposium website: [www.tu.kielce.pl/ismqc\\_2013](http://www.tu.kielce.pl/ismqc_2013)  
Registration and paper submission: [https://www.conftool.com/ismqc\\_2013/](https://www.conftool.com/ismqc_2013/)

# ISMQC 2013

11th International Symposium on Measurement and Quality Control  
September 11-13, 2013  
Cracow - Kielce, Poland



### Scientific patronage:

Committee of Mechanical Engineering of the Polish Academy of Sciences

### Honorary patronage

Rector of Cracow University of Technology  
Rector of Kielce University of Technology

### Organized by Kielce University of Technology

in cooperation with Cracow University of Technology and University of Bielsko-Biala

## Foreword

International Symposium on Measurement and Quality Control (ISMQC) is one of the most important scientific events that is normally held once in every three years in the field of measurements and quality control. The aim of the symposium is to present the evolution of manufacturing metrology & quality management, to spot their implication for science, industry & engineering and to highlight new techniques of measurement at the international level. It brings together researchers, developers and users to discuss theoretical and experimental research, their applications and future trends relevant to measurement, optical metrology and quality management.

ISMQC is supported by IMEKO-Technical Committee (TC14) on Measurement of Geometrical Quantities. The ISMQC series has been organized successfully ten times since its inception.

11th International Symposium on Measurement and Quality Control - ISMQC 2013, will be held on September 11-13, 2013 in Cracow and Kielce under the patronage of the Rector of Cracow University of Technology and the Rector of Kielce University of Technology.

## Symposium Honorary and Scientific Committees

The Symposium organizers will appoint Honorary and Scientific Committees. The Scientific Committee will have a supervisory capacity over the submitted and published papers.

## Symposium Aims and Discussion Topics

The Symposium sessions will cover a wide range of problems related to metrology and quality control. The presentations will focus on the following subjects:

1. Measurements for Dimensional, Geometrical and Mechanical Quantities in Manufacturing
  - 1.1. Sensors, Components and Systems:  
Machine Vision and Image Processing, 3D-Surface Texture and its Micro Characteristics, CMM-Metrology, Form Tester, Gear Metrology, Measurement of Motion Parameters, Advanced Optoelectronic Sensors and Instruments, Nonlinear Optical Instruments Applied for Industry
  - 1.2. Metrology fields:  
Macrogeometric features and characteristics, Test Planning, Machine Tool Metrology, Webbased Metrology Services
  - 1.3. Strategies and Methods:  
Measurement Equipment Monitoring and Metrological Self-Diagnostics, Accreditation of Calibration Laboratories, New Education and Training Methods,
  - 1.4. Measurement Evaluation and Verification:  
Uncertainty Evaluation and Traceability, Metrology Software and Software Evaluation, Geometrical Product Specifications and Verification (GPS), Tolerancing, Testing, Evaluation
  - 1.5. Intelligent Measurement:

Intelligent Micro- and Nano-Metrology, Intelligent Measurement Algorithm and Simulation, Intelligent Nano Positioning, Intelligent Calibration and Testing Methods for Measurement Equipment, Pre-, In- and Post-Process Measurement, Optical Measurement for Geometrical Quantity Evaluation, X-ray Application for 3-D Measurement, Nano Photonics for Intelligent Measurement, Novel Methods for Medical and Biological Measurement, MEMS/MOEMS Application in Measurement Field

2. Quality Control for Geometrical Quantities
  - 2.1. Quality Control Strategies and Methods:  
Quality Planning, Quality Control Loops, Quality-databased Systems, Quality-data-Exchange, Knowledge based Quality-Methods
  - 2.2. Managing Quality Control:  
Measurement of Quality, Quality gates, Audits and Certification, Quality management in distributed manufacturing systems, Networks for Quality Management, Quality-Improvement, Education and Training

## Symposium venue

On September 11-12 the sessions will take place at the congress centre at the Park Inn Hotel in Cracow (<http://www.parkinn.pl/hotel-krakow>). The session on September 13 will be held at the Kielce University of Technology. Transport from Cracow to Kielce and from Kielce to Cracow and to Warsaw will be provided by the organizational committee.

## Symposium chairman

Prof. dr hab. inż. Stanisław Adamczak, dr h.c. multi  
– Rector of the Kielce University of Technology

## Chairman of the International Programme Committee

Prof. Dr.-Ing. Prof. h.c. Dr.-Ing. E.h. Dr. h.c. mult. Albert Weckenmann  
– University Erlangen-Nuremberg, Germany

## Organizational Committee

Prof. Jerzy Śladek – Cracow University of Technology, Vice-Chairman  
Prof. Władysław Jakubiec – University of Bielsko-Biała, Vice-Chairman  
Dr inż. Adam Gąska – Cracow University of Technology,  
Dr inż. Wojciech Płowucha – University of Bielsko-Biała,  
Dr inż. Krzysztof Stępień – Kielce University of Technology (contact person)

## Important dates

Submission of abstracts: 15.01.2013  
Notification of abstract acceptance: 15.03.2013  
Submission of full papers: 15.05.2013  
Early registration: 30.06.2013