

Preface

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 implications 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, any sort of metrology, quality assurance 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. The 11th ISMQC has been organized at Cracow University of Technology and at Kielce University of Technology (both in Poland) in September 2013. It has been the first ISMQC event organized in the country being a new EU member. Special emphasis was on innovative and quality research work and applied scientific results. Novel methods and technologies, intelligent measuring techniques in various fields of applications, including engineering, manufacturing technologies, science, medicine, biology, cosmetics etc. were also covered. This book contains revised and extended versions of eight papers presented during ISMQC 2013 that were selected by Programme Committee to be published in the Special Issue of "Key Engineering Materials" and one additional paper whose subject fits the scope of the symposium.

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