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Foreword

This volume collects the refereed contributions based on the presentation made at the International Conference on Advanced Mathematical and Computational Tools in Metrology and Testing, held in Paris in June 2008. The conference was organised by IMEKO Technical Committee 21 “Mathematical Tools for Measurements” (<http://www.imeko-tc21.org>), the eight in an evolving series, with “testing” appearing in the title for the first time in this volume. The aims of TC 21 activities, reflected in the book series, are:

- To present and promote reliable and effective mathematical and computational tools in metrology and testing.
- To understand better the modelling, statistical and computational requirements in metrology and testing.
- To provide a forum for metrologists, mathematicians, software and IT engineers that will encourage a more effective synthesis of skills, capabilities and resources.
- To promote collaboration in the context of EU and International Programmes, projects of EUROMET and EA and of other world regions, MRA requirements.
- To support young researchers in metrology, testing and related fields.
- To address industrial and societal requirements.

The themes in this volume reflect the importance of mathematical, statistical and numerical tools and techniques in metrology and testing and, addressing the challenge promoted by the Metre Convention, in enabling a mutual recognition for the measurement standards.

Torino, December 2008

The Editors

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