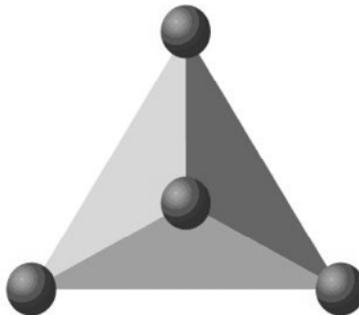


Preface

The series “Hungarian Conference and Exhibition on Materials Science, Testing and Informatics” (later simply “Hungarian Conference on Materials Science”) was intended to provide a forum where Hungarian and foreign scientists and research groups interested in metals and alloys, silicates, polymers and composites get an opportunity to exchange and publish ideas and establish new and integrated partnerships. The 8th Hungarian Conference on Materials Science was held at the Balaton lakeshore in Balatonkenese, October 9-11, 2011.

The conference was organised in five sections:

- Classical Materials and Technologies – including the topics of Mechanical Engineering, Electrotechnics, Energetics, Ceramics, Polymers
- Special Materials and Technologies – including Nanotechnology, Biotechnology and other Specialities
- Modern Material Research and Testing Methods
- Modelling and Materials Informatics
- Innovative Products and Technologies – including Industrial Applications, Technologies and Properties



The organisers present this volume as a peer-reviewed selection of papers submitted to publication by participants.

The organisers express their gratitude to all sponsors. Thanks are due to organising societies, as the Hungarian Materials Science Society and to other Hungarian scientific and engineering societies for their support.

Budapest, 02nd July, 2012.

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