

**THEORIES AND APPLICATIONS IN GEOMATHEMATICS**

**Selected studies of the 2012 Croatian–Hungarian  
Geomathematical Convent, Opatija**

Edited by

János Geiger – Elemér Pál–Molnár – Tomislav Malvić

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# PREFACE

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The „Epilogue” of the „New Horizons in Central European Geomathematics, Geostatistics and Geoinformatics” published by GeoLitera in 2011 is closed by the following sentence: “We hope, that this is only the beginning of a new series that will be followed by many others in the future.” In fact, this hope has become reality, as it is demonstrated by this volume which contains selected papers presented within the framework of the 4th Hungarian Croatian and the 16th Hungarian Geomathematical Convent, hosted by the city of Opatija (Croatia).

Four years ago, in 2008, the Division of Geomathematics of the Croatian Geological Society agreed to organize joint meetings with its Hungarian counterpart. Since that time it has been a success story. The actual (4th joint convention) has a special importance, since this is the very first time, when this convent is organized outside of Hungary with the hospitality of the Croatian counterpart.

The meeting organized during the early summer of 2012 hosted 21 oral, 7 poster presentations along with the 5 lectures demonstrate the research activity of the members of IAMG Student Chapter, Szeged. The

topics range from theoretical approaches through reservoir modeling and methods used in nuclear remediation as well as the most recent innovations of geoinformational investigations. Authors listed range from employees of major oil industries of Croatia and Hungary (INA, Industrije Nafta, Croatia, MOL Hungarian Oil and Gas Public Limited Company), representatives of the Libyan Petroleum Institute, as well as Universities (University of Zagreb, University of Szeged, Eötvös Lóránd University of Budapest, and University of Beograd), National Geological Surveys, and the Eötvös Lóránd Geophysical Institute, Hungary.

Hopefully, this volume will not only help popularize the use of mathematical, and statistical approaches among geo-professionals of the region, will promote further fruitful collaboration, as well.

Finally we would like to express our gratitude to those persons and institutes who contribute to editing and publishing of this work. Especially, to all reviewers for their conscientious, selfless, and very effective help. Andrea Wágenhoffer had the responsibility for all correspondence between the Editorial Board, the publisher

and the reviewers as well as authors. Here work is kindly acknowledged here. The outstanding presentation of the volume is the result of the tedious, meticulous work of the GeoLitera Publishing House for which we are indebted. Finally, the kind financial support of the MOL-Hungary

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*János Geiger  
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