

6th Congress of Croatian and Hungarian and 17th Congress of Hungarian Geomathematicians

6th HR-HU and 17th HU geomathematical congress
"Geomathematics - from theory to practice"

21-23 May,
2014

6th Croatian-Hungarian and
17th Hungarian geomathematical
congress

Geomathematics - from theory to practice

Editors:

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Opatija, 21-23 May, 2014

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The theme of this year's 6th Congress of Croatian and Hungarian and 17th Congress of Hungarian Geomathematicians was *Geomathematics - from theory to practice* and its key topics were

- Applied geomathematics (geosciences, environmental science)
- Geomathematics in reservoir characterization and modelling
- Hydrological and hydrogeological modelling
- Theoretical geomathematics (geostatistics, neural networks, statistics)
- Geoinformatics (including GIS).

Contributions for presentations and posters to be published in the conference book were invited.

Just like two years ago, geomathematical sections of the Croatian Geological Society (<http://www.geologija.hr/geomat.php>) and the Hungarian Geological Society (<https://www.smartportal.hu>) organised the congress from May 21 to 23 at the same place – congress hall of the hotel Opatija in Opatija. Dr. Kristina Novak Zelenika (INA) chaired the Organizing Committee and Prof. Dr. János Geiger (Department of Geology and Paleontology, University of

Szeged) chaired the Scientific Committee.

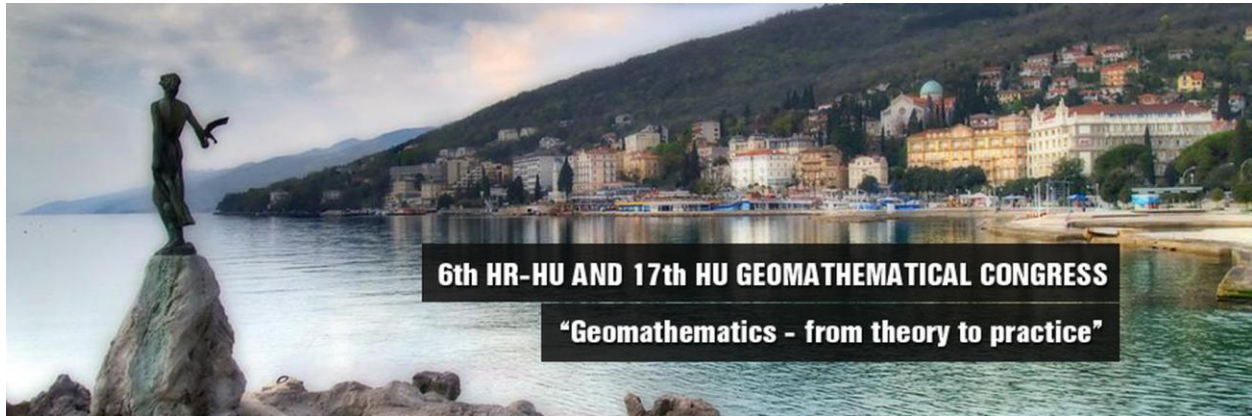
The program consisted of 7 posters and 17 presentations in 4 sections. A short workshop *Theory and practice in variography* was held for those interested in geostatistics. Miljenko Lapaine and Željka Tutek from the Faculty of Geodesy, University of Zagreb started the first section of the congress with the lecture *Forward intersection and its accuracy*. The congress gathered 31 participants. Just like the congress's topics, its participants came from a wide range of institutions – universities (University of Zagreb, University of Szeged, Eötvös Lóránd University of Budapest), major oil industries of Croatia and Hungary (INA, MOL), as well as the Libyan Petroleum Institute, Croatian Geological Survey and the Eötvös Lóránd Geophysical Institute. Results of voting for the three best contributions were announced at the closing ceremony, according to tradition.

The Croatian Geological Society published the proceedings (ISBN 978-953-95130-8-3), which contains a full overview of 24 presentations and posters. It is available as colour PDF at <http://bib.irb.hr/datoteka/698400.Knjiga.pdf>. The book was edited by Marko Cvetković, Kristina Novak Zelenika and János Geiger. All participants received a paper copy (189 pages, black and white).

The very successful cooperation between the Hungarian and Croatian geomathematical sections resulted in continuing the congress tradition and quality. The 7th Congress of Croatian – Hungarian Geomathematicians and the 18th Congress of Hungarian Geomathematicians will be organized in Mórahalom, Hungary in 2015.

Željka Tutek ■

6. kongres hrvatsko-mađarskih geomatematičara i 17. kongres mađarskih geomatematičara



Ovogodišnji 6. kongres hrvatsko-mađarskih geomatematičara i istodobno 17. kongres mađarskih geomatematičara bio je naslovljen kao Geomatematika – od teorije do prakse, a njegove glavne teme su bile

- Primijenjena geomatematika (geoznanosti, znanost o okolišu)
- Geomatematika u karakterizaciji i modeliranju ležišta
- Hidrološko i hidrogeološko modeliranje
- Teorijska geomatematika (geostatistika, neuralne mreže, statistika)
- Geoinformatika (uključujući GIS).

Pozvana su bila sudjelovanja s prezentacijama i posterima te objavljivanjem u zborniku skupa.

Kao i prije dvije godine, geomatematičke sekcije Hrvatskoga geološkog društva (<http://www.geologija.hr/geomat.php>) i Mađarskoga geološkog društva (<https://www.smartportal.hu>) kongres su organizirale od 21. do 23. svibnja 2014. na istom mjestu – u kongresnoj dvorani hotela Opatija u Opatiji. Predsjednica Organizacijskog odbora je

bila dr. sc. Kristina Novak Zelenika (INA), a predsjednik Znanstvenog odbora prof. dr. sc. János Geiger (Department of Geology and Paleontology, University of Szeged).

Program se sastojao od 7 postera i 17 izlaganja u 4 sekcije. Za zainteresirane za geostatistiku održana je i kratka radionica Theory and practice in variography. Miljenko Lapaine i Željka Tutek s Geodetskog fakulteta Sveučilišta u Zagrebu započeli su prvu sekciju kongresa s predavanjem Forward intersection and its accuracy. Kongres je okupio 31 sudionika. Kao i teme kongresa, sudionici su bili iz širokog raspona – djelatnici sveučilišta (Sveučilište u Zagrebu, Sveučilište u Szegedu, Eötvös Lóránd Sveučilište u Budimpešti), velikih naftnih kompanija u Hrvatskoj i Mađarskoj (INA, MOL), kao i predstavnici Libyan Petroleum Institute, Hrvatskoga geološkog instituta te Eötvös Lóránd Geophysical Institute. Tradicionalno, rezultati glasanja za tri najbolja priloga objavljeni su na završnoj ceremoniji.

Hrvatsko geološko društvo je izdalo zbornik Conference book "Geomathematics – from theory to practice" (ISBN 978-953-95130-8-3) koji potpuno obuhvaća sve radove. Kao PDF u boji dostupan je na web stranici <http://bib.irb.hr/datoteka/69840-0.Knjiga.pdf>. Urednici su Marko Cvetković, Kristina Novak Zelenika i János Geiger. Svi sudionici kongresa dobili su tiskano izdanje zbornika (189 stranica, u sivim tonovima).

Vrlo uspješna suradnja između hrvatske i mađarske geomatematičke sekcije rezultira nastavkom kongresne tradicije i kvalitete. Sedmi kongres hrvatsko-mađarskih geomatematičara i istodobno 18. kongres mađarskih geomatematičara bit će 2015. organiziran u mjestu Mórahalom u Mađarskoj.

Željka Tutek ■