

**4th CONGRESS OF CROATIAN AND HUNGARIAN &
15th CONGRESS OF HUNGARIAN GEOMATHEMATICIANS
Opatija, Croatia, 23-25 May, 2012**

Dear Colleagues,

We are writing to you in the hope of being able to welcome you in our traditional events:

**4th Congress of Croatian and Hungarian Geomathematicians and
15th Congress of Hungarian Geomathematicians**

addressed to

"GEOMATHEMATICS AS GEOSCIENCE"

and organised by

Croatian Geological Society

Hungarian Geological Society

This Congress invites contributions for oral and poster presentations and publications in the conference proceedings. Key topics are as follows:

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

For further details, please visit to www.geologija.hr

Congress course (Wednesday, 23 May)

Please note, that (1) the short course will be held if at least 10 participants register until 1 May; (2) this short course is recognized by the Engineers Chamber of Hungary.

Title: Analysis and Visualization of Local and Regional Uncertainties in Reservoir Characterization (Janos Geiger, University of Szeged, Hungary)

Abstract: On reservoir scales three types of geological uncertainties can be taken into account. (1) On macro scale this uncertainty comes from the sampling of vertical depositional facies. Using Markov-chain analysis this uncertainty can be characterised and interpreted using a set of statistical entropies. On mega scale the (2) local and (3) regional uncertainty can be analysed using different stochastic simulations. The uncertainty expressing by equiprobable realizations can be summarised in several ways: grid of conditional variances, probability intervals, or statistical entropies. The results can be connected to depositional facies, and used in resource estimation, EOR and IOR plans. The short course offers a guided tour through the main steps of practical solutions and the main theoretical points of interpretations.

Congress official languages:

English (recommended) and Croatian, However, all Power Point presentations and printed posters need to be prepared in English (British spelling).

Congress publication:

All reviewed and accepted papers will be published in printed, soft-cover, congress' proceedings (in greyscale), which also will include CD-ROM with proceedings' PDF in colours.

Congress duration:

Congress course is planned for the 23rd May (Wednesday) afternoon, and the main congress programme during 24th (Thursday morning and afternoon sessions) and 25th May (Friday morning session). Detailed time schedule will be distributed between 16-20th April (see the page 8 of this circular) when all participants and presenters will be known.

Congress venue:

Hotel Opatija**

(<http://www.hotel-opatija.hr/en/home/>)

Recommended accommodations:

Hotel Opatija**

(<http://www.hotel-opatija.hr/en/home/>)

Hotel Palace Bellevue***

(<http://www.liburnia.hr/en/Home/Accommodation/Palace-Bellevue/240/subPagesInOne.aspx>)

Hotel Imperial***

(<http://www.liburnia.hr/en/Home/Accommodation/Imperial/233/subPagesInOne.aspx>)

For the expanded list of hotels in Opatija please check:

<http://moja.opatija.net/hoteli.asp>

Registration fees*,**:

Prices are in EURO	Early registration before 31 st March	'In time' registration before 1 st May	Late registration From 1st May and on-site
CGS/HGS members	200	270	340
Non-members	220	290	360
IAMG students	140	190	260
Other students	170	220	290

*Registration fees can be paid in EURO or in HRK. For payments in HRK please use medium exchange rate of the Croatian National Bank (www.hnb.hr) on the exact day.

**Wednesday course costs are separated from registration. Those are 30 Euro for regular participants and 15 Euro for CGS/HGS members and students.

Registration fees cover: (1) participation, (2) congress refreshments, (3) welcome drink, (4) dinners (Wednesday and Thursday) and (5) publishing in conference proceedings.

Registration

Participants can register on-line or filling the registration form, which is available on the web site of the Croatian Geological Society. Filled form needs to be sent as (scanned) PDF to the secretary of the Society, Ms. Marija Bošnjak (Marija.Bosnjak@hpm.hr).

Payments

Should be made through the account of the Croatian Geological Society, Sachsova 2, 10000 Zagreb, with mark "for HGD geomathematical congress 2012":

1. **Payments in HRK** could be sent on: bank account 2360000-1101551668 (Zagrebačka banka);
2. **Payments in EUR** also onto Zagrebačka banka, Paromlinska 2, Zagreb; swift code of the bank: ZABAHR2X; IBAN Croatian Geol. Soc. HR3823600001101551668

For any questions regarding registration, invoice and payment please contact: Ms. Marija Bošnjak, secretary of the Croatian Geological Society, e-mail: Marija.Bosnjak@hpm.hr

Committees

Organizing Committee

Prof. Dr. Tomislav Malvić (chairman, INA & Univ. Zagreb, HR)

Prof. Dr. Janos Geiger (vice-chairman, Univ. Szeged, HU)

Marko Cvetković (vice-chairman, Univ. Zagreb, HR)

Marija Bošnjak (Croatian Natural History Museum, HR)

Ana Majstorović Bušić (INA, HR)

Karolina Novak (INA, HR)

Scientific Committee

Prof. Dr. Janos Geiger (chairman, HU)

Prof. Dr. Tomislav Malvić (vice-chairman, HR)

Prof. Dr. Miljenko Lapaine (Univ. Zagreb, HR)

Prof. Dr. Josipa Velić (Univ. Zagreb, HR)

Kristina Novak Zelenika (INA, HR)

Honorary Committee

Acad. Gyorgy Bardossy (Academy of Science, HU)

Prof. Dr. Jasenka Sremac (president, Croatian Geol. Soc.)

Prof. Dr. Janos Haas (president, Hungarian Geol. Soc.)

Important deadlines:

- (1) 30th March: Closing the 'Early registration'
- (2) 30th March: Deadline for submitting papers
- (3) 13th April: Back info about acceptance of submission
- (4) 16-20th April: Distribution of 2nd circular letter
- (5) 1 May: Closing the 'In time' registration
- (6) 23-25th May: Congress

Contacts for questions on scientific program:

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Tel. +38514592288

Janos GEIGER, University of Szeged, e-mail: matska@geo.u-szeged.hu, Mobile:
+36209320194

The 2nd circular will be distributed between 16th and 20th April 2012. There will be given details regarding time schedule of congress programme as well as list of accepted posters and oral presentations.

Organizers:

Croatian Geological Society (Hrvatsko geološko društvo)

<http://www.geologija.hr>



Geomathematical Section (Geomatematički odsjek)

<http://www.geologija.hr/geomat.php>

Hungarian Geological Society (Magyarhoni Földtani Társulat)

<http://www.foldtan.hu/>



Geomathematical Section (Geomatematikai Szakosztály)

<https://www.smartportal.hu/>