



2nd EDITION – AUGUST 2011

**THE 50TH
MINING PŘÍBRAM
SYMPOSIUM 2011**
Czech Republic

The city of **Příbram** - 60 km SW from Prague - is the centre of a region with a long mining history going back to the 13th century.

THE INTERNATIONAL SECTIONS:

M- MATHEMATICAL METHODS IN GEOLOGY

endorsed by the International Association for Mathematical Geosciences-IAMG

PRAGUE: October 7 - 9

in the hotel KRYSTAL (where IAMG Silver Jubilee was held in October 1993)

PŘÍBRAM: October 10 - 12

G - GEOETHICS

with a joint meeting of the **Working Group for Geoethics** established by the Association of Geoscientists for International Development (**AGID**)

PŘÍBRAM: October 10 - 14

GEOETHICS NEWS (issued since 2007 and including news about the meetings at Příbram) are available at the web pages of the AGID National Chapter in Spain

[http://tierra.rediris.es/Geoethics Planetary Protection/](http://tierra.rediris.es/Geoethics_Planetary_Protection/) .

To the history:

The Mining Příbram symposia have been organised **since 1962**, **since 1968** with specialised international sections on **mathematical methods in geology** (regularly until 1999), **since 1992** with specialised international sections on **geoethics (application of ethics in the fields of Earth sciences)** regularly - usually in 2-years periods.

For details see the further text, with the final registration form at the last pages.
Many thanks for informing also any of your colleagues who may be interested.

Convenors:

Václav Němec (AGID Vice-president for Europe) and

Lidmila Němcová (President, Czech Society for Ethics in Economics)

Symposium Secretary: **Zdenka Marciníková**



The international section **MATHEMATICAL METHODS IN GEOLOGY** will start in the IAMG birthplace Prague for reminiscences and friendly discussions about history and achievements of mathematical Earth sciences.

The program of the section (additional changes to be announced in September 2011):

FRIDAY, OCTOBER 7 - PRAGUE

arrival to Prague, possible accommodation in the hotel KRYSTAL

SATURDAY, OCTOBER 8 – PRAGUE

in the hotel KRYSTAL (details to be published in the next edition of the program):

9.00 – 15.00 REGISTRATION

10.00 – 13.00 PRESENTATION OF PAPERS:

- M 1 Václav NĚMEC (Czech Republic): *Prague – the birthplace of the International Association for Mathematical Geology (IAMG) in 1968*
- M 2 Vera PAWLOWSKY-GLAHN, Juan José EGOZCUE (Spain): *The closure problem: one hundred years of debate*
- M 3 Niichi NISHIWAKI (Japan): *From mathematical geology to geoinformatics*
- M 4 Irina CHIZHOVA (Russia): *Information technologies in geology*
- M 5 Jaroslav CHYBA (Czech Republic): *Problems of prediction in Earth sciences*
- M 6 Valentina T. FILATOVA (Russia): *Mobile-permeable zones in the basement of the North-Eastern Baltic Shield and conditions of their location*
- M 7 Barbara NAMYSŁOWSKA - WILCZYNSKA, Bożena SKORUPSKA, Andrzej WIENIEWSKI (Poland): *Geostatistical analysis of variation in technological parameters of ash-slugs*
- M 8 K. K. KAYSENOV, D. Zh. BASTAUBAEVA, E. A. MEYRAMOV (Republic of Kazakhstan): *Analytical estimation of average significance in case of georesources objects with complicated structures*
- M 9 E. A. MEYRAMOV, D. Zh. BASTAUBAEVA, K. NURZHANOVA (Republic of Kazakhstan): *Complex methodology of estimating density of mapping piquets in case of complicated reliefs ??*
- M 10 M. SADAoui, R. CHAOUCHI, L. REMICHI (Algeria): *Trend analysis of petro-physical properties of reservoirs in Oued Mya basin (Sahara Algerian)*

14.00 – 17.00 PANEL DISCUSSION:

WHAT CONSTITUTES MATHEMATICAL GEOLOGY, FROM WHENCE DID IT COME AND WHITHER CAN IT BE EXPECTED TO GO

Panelists: Isobel Clark (UK), Václav NĚmec (Czech Republic), Niichi Nishiwaki (Japan), Vera Pawlowsky-Glahn (IAMG President, Spain), Jean Serra (France), Suzanna Sirotinskaya (Brazil), Hannes Thiergärtner, F. Ludwig Wilke (Germany)

SUNDAY, OCTOBER 9 - PRAGUE

Individual talks and meetings, cultural events, sightseeing. A possible collective program will be announced in the September edition of the program.

MONDAY, OCTOBER 10 – PŘÍBRAM

in the building of the state enterprise DIAMO (SUL) – in the street 28. října, nr. 184, in the area of the House of the Culture (DŮM KULTURY) nearby the hotel BELVEDERE (details in the next edition in September):

12.00 – 15.00 REGISTRATION

COMMON MEETING OF SECTIONS M AND G

14.00 – 18.00 PRESENTATION OF PAPERS:

- MG 1 Jean SERRA (France): *Shoreline extrapolations*
- MG 2 Václav NĚMEC (Czech Republic): *Ethical remarks to problems of interpolation and extrapolation*
- MG 3 Beata TRZASKUŚ-ŻAK, Kazimierz CZOPEK (Poland): *Verification of economic efficiency of lignite deposit development using the sensitivity analysis*
- MG 4 S. S. JUSUPBEKOV (Republic of Kazakhstan): *Method of estimating informativeness indices of mineral raw materials*
- MG 5 Alicja BYRSKA - RAPAŁA (Poland): *Mathematical methods of estimation of fair market value of hydrocarbon property*
- MG 6 A.KURMANKOZHAEV, S. S. JUSUPBEKOV (Republic of Kazakhstan): *Theoretical model of the integral mining-ecological complexity*
- MG 7 E. A. MEYRAMOV, D. Zh. BASTAUBAEVA, A. E. ORMAMBEKOVA, G. K. BAYDAULETOVA (Republic of Kazakhstan): *Generalized distribution characteristics as measures of contamination potential of the atmosphere in the city*
- MG 8 K.-O. ZEISSLER, Th. HERTWIG (Germany): *Artificial neuronal network instead of kriging? A case study with soil contamination of complex sources*
- MG 9 Jennifer JOI FIELD, Joe REMENYI (Australia): *Mapping for sustainable futures: application of a holistic Spatial approach in natural resource planning (short communication)*

TUESDAY, OCTOBER 11 – PŘÍBRAM

WEDNESDAY, OCTOBER 11 – PŘÍBRAM

The program for these days is identical with the section G (presented in the following pages)



The international section **GEOETHICS** in this year will take place again as a meeting of the AGID working group for geoethics - together with meetings of teams preparing projects of geoethics for the IGC 2012 in Brisbane.

GEOETHICS NEWS (issued since 2007 and including news about the meetings at Příbram) are available at the web pages of the AGID National Chapter in Spain [http://tierra.rediris.es/Geoethics Planetary Protection/](http://tierra.rediris.es/Geoethics_Planetary_Protection/) .

The international section GEOETHICS in this year will be dedicated to the memory of one among the first promoters of geoethics and almost permanent visitor of our meetings – the famous Polish **Professor Adam Stefan TREMBECKI** (1921 – 2007) to remember 90 years from his birth. Originally he was engaged more in the mining industry, since 1961 he exclusively worked in various universities in Poland; professor emeritus of the School of Mines and Metallurgy in Cracow; rector of the High School of Management in Legnica.



TUESDAY, OCTOBER 11 - PŘÍBRAM

8.00 – 9.30 REGISTRATION

8.30 – 9.30 FINAL DISCUSSION TO THE SECTION M
INTRODUCTORY INFORMATION TO THE SECTION G
COMMEMORATION OF PROFESSOR A. S. TREMBECKI
PRESENTATION OF PAPERS OF THE SECTION G:

G 1 *FRANTIŠEK ONDRUŠ (ČR): Influence of legislation on concurrence ability of enterprises in the mining industry – the law of mining (including ethical consequences)*

10.00 – 12.30 INAUGURATING PLENARY SESSION OF THE 50th SYMPOSIUM
in the building DŮM KULTURY; the program will include the lecture:
Václav NĚMEC: International Sections “MATHEMATICAL METHODS IN GEOLOGY” and “GEOETHICS” – the integral part of the Mining Příbram Symposia

14.00 – 17.30 EXCURSION: Příbram and neighbourhood, Vysoká – Museum of the Czech composer Antonín Dvořák and also his usually inaccessible private summer residence (explanation by his last living grandson)

18.00 – 22.30 SOCIAL EVENING in the building of the A.Dvořák Theater (all needed information will be given at the registration; free meals & drinks).

WEDNESDAY, OCTOBER 12 - PŘÍBRAM

9.00 – 12.00 PRESENTATION OF PAPERS:

- G 2 Václav NĚMEC (Czech Republic): *Review of actual problems of the further development of geoethics*
- G 3 Lidmila NĚMCOVÁ (Czech Republic): *Necessity of developing ethical way of thinking as the presumption of professionalism*
- G 4 Nataliya K. NIKITINA, Sergey NIKITIN (Russia): *Geodiversity and necessity of its preservation: ethical principles and the valuable approach*
- G 5 Niichi NISHIWAKI (Japan): *Geoethical importance of information management before/after natural hazards*
- G 6 Jesus MARTINEZ-FRIAS (Spain) : *Geoethics: a new paradigm from Earth to planetary sciences and astrobiology*
- G 7 Haiqiao TAN (P.R. of China): *Geoethical approach to the development in Earth 3.0*

14.00 – 17.30 PRESENTATION OF PAPERS:

- G 8 Tokio OHSKA (Japan): *Global energy management in an ethical way*
- G 9 Kateřina ZACHOVALOVÁ, David PÓČ, Milena ŠANDOVÁ (Czech Republic): *Rehabilitations as an important tool for the CSR strategies*
- G 10 V. K. CHISTYAKOV, P. G. TALALAY (Russia): *Geoethical problems of direct Antarctic sub-glacial lakes access*
- G 11 Jaroslav CHYBA (Czech Republic): *Access to justice in environmental decision making*
- G 12 A. L. NIKOLSKI, E. B. SOLNTSEVA, O. I. KNYAZEY, R. E. KUZIN (Russia): *Geoethical and geo-ecological aspects of using reserve deposits of the Elkon uranium ore district (Republic of Sakha, Yakutiya)*

19.00 – 23.00 TRADITIONAL EVENING OF MINERS (all needed information at the registration; free entry, meals and drinks to be paid)

THURSDAY, OCTOBER 13 - PŘÍBRAM

9.00 – 12.00 PRESENTATION OF PAPERS:

- G 13 Ochir GEREL (Mongolia): *Environmental and geoethical problems in the mining areas of Mongolia*
- G 14 A.KURMANKOZHAEV, T. B. NURPEYSOVA, G. K. BAYDAULETOVA, A. E. ORMAM-BEKOVA (Republic of Kazakhstan): *Actual aspects of estimating influence of mining activities on the environment*

PANEL DISCUSSION : FURTHER GOALS OF GEOETHICS - 1st part

Panelists: Ochir Gerel (IUGS Vice-President, Mongolia), Jesus Martinez-Frías (Spain), Lidmila Němcová, Václav Němec (Czech Republic), Nataliya K. Nikitina (Russia), Niichi Nishiwaki (Japan), Haiqiao Tan (P.R. of China), F.L.Wilke (Germany)

14.00 – 17.30

PANEL DISCUSSION : FURTHER GOALS OF GEOETHICS - 2nd part

Panelists: Ochir Gerel (IUGS Vice-President, Mongolia), Jesus Martinez-Frías (Spain), Lidmila Němcová, Václav Němec (Czech Republic), Nataliya K. Nikitina (Russia), Niichi Nishiwaki (Japan), Haiqiao Tan (P.R. of China), F.L.Wilke (Germany)

- G 15 Ivan LANDA, Pavel ŠIMEK, Andrea HLAVOVÁ (Czech Republic): *Global geochanges and the future*
- G 16 Ivan LANDA, Pavel ŠIMEK, Andrea HLAVOVÁ (Czech Republic): *Decreasing albedo by using thermal capacity of constructions in urbanized areas for decreasing the global warming risk*

FRIDAY, OCTOBER 14 – PŘÍBRAM

9.00 – 12.00 PRESENTATION OF PAPERS and SHORT COMMUNICATIONS (in case of interest contact the convenors in advance)

The program of the day will be finalized in accordance with the wishes of participants (final discussion should be focussed especially on problems how to continue in promoting the ideas of geoethics). The participants will have lot of opportunities to discuss various geoethical problems of interest and to prepare their materials for the AGID Working Group on Geoethics.

SATURDAY, OCTOBER 15

A special meeting is planned for members preparing events on geoethics for the 34th International Geological Congress 2012 in Brisbane (Australia).

Languages:

The oral presentation of papers and communications as well as the appropriate discussion will be mostly held in **English**. Possible use of any other language should be consulted in advance with the convenors. Simultaneous translation will not be arranged but - if necessary - consecutive abbreviated translations of discussions will help to ensure mutual understanding. The papers will be published mostly in English, in case of publishing the original text in another language an enlarged resume will be given in English.

Deadlines (only for those who have not yet sent the final registration form issued in June 2011 and have not yet paid their registration fees):

AUGUST 30: submitting additional short communications;
submitting final texts of papers and communications
for publication in the printed proceedings of both sections

SEPTEMBER 15: submitting the enclosed final registration form and payment of the regular registration fees

Registration fee (in € - EUROS for one person):

regular - PAID BEFORE SEPTEMBER 15, 2011	150 €
late - paid in cash at the registration desk	180 €
for accompanying persons (family members) - to be paid in cash at the registration desk -	20 €

The registration fee covers: the access to the Symposium, the proceedings volume of the both sections, the half-a-day excursion, the social evening, and the access to the traditional evening of miners; for accompanying persons the excursion, the social evening and the access to the miners' evening (the presence at the meetings only in case of free places).

The Symposium has not any possibility of funding expenses of participants (the IAMG and AGID endorsements do not imply any financial support).

In case of CANCELLING personal participation all those who paid the registration fee will be considered as non attending registrants and the proceedings volume will be mailed them after the symposium.

Payments :

- a) **by the BANK TRANSFER** to the account No. 1930194379/0800 at Ceska sporitelna, a.s., Prague 1, Rytirska 29, Czech Republic;
IBAN : CZ28 0800 0000 0019 3019 4379 ;
BIC : GIBACZPX ;
the owner of the account: AGRICOLA, s.r.o.(=Ltd), Plzeňská 276/298;
CZ 150 00 Prague 5, CZECH REPUBLIC;
VAT = CZ61508608
Note that the payment is for the Mining Příbram Symposium and indicate also the name(s) of the participant(s);
BANK TRANSFER EXPENSES SHOULD BE COVERED BY THE SENDER.
The registration fee includes VAT that – in accordance with the Czech law – is to be drafted by the recipient (AGRICOLA).
- b) **in CASH** at the registration desk after your arrival to Příbram (for the late and “last minute“ registrations and also for the accompanying family members).

Arrival:

The participants are asked to arrive to Prague and to Příbram in accordance with the arrival date as indicated by them in the final registration form. The citizens of many countries can enter the territory of the Czech Republic without visa (**ask for details the Czech Embassy or any travel agency in your country**), on the other hand **visa** (valid for the Schengen area of the European Union) for citizens of other countries still have to be purchased.

VALID PASSPORT is absolutely necessary as well as the HEALTH INSURANCE (the organisers do not take any responsibility for accidents or illness that might occur during the symposium or in the course of the travel).

If a special personal letter of invitation from the organisers is needed ask for it IMMEDIATELY.

Usually the visitors travel **TO PŘÍBRAM VIA PRAGUE** which is easily accessible by various transport means. The cheapest local transport in Prague is the municipal transport (bus Nr. 119 or Nr. 100 from the airport, subway system at all principal railway stations). **The best public transport from Prague to Příbram is by BUS** (the terminal in Prague - platforms 5, 6 - is situated nearby the subway station ANDĚL on the "yellow" line B). There are frequent direct connections from there to Příbram (about 60 minutes needed for the transport). On arriving at Příbram get off at the station POLIKLINIKA Nr. 2.

Detailed addresses and transport information will be issued in mid-September and sent via e-mail with the most fresh time-table and other useful information for all visitors.

Hotel accommodation:

IN PRAGUE a pre-reservation for the period October 7 – October 10 has been assured for participants of the Symposium in the hotel KRYSTAL used already for the meetings of mathematical geologists (and for the IAMG Silver Jubilee in 1993). Mark your wish to be accommodated in this hotel in the Final registration form. Only a limited capacity in this hotel will be available for transit in Prague after the symposium. **Be sure to make your reservation as soon as possible.**

AT PŘÍBRAM all participants will be accommodated in accordance with the wishes indicated by them in their Final registration forms. **The accommodation cannot be guaranteed for very late registrations (after September 30).** When you want to arrive to Příbram **earlier than October 10**, you will get the respective information where to go to your hotel. We shall try to locate the participants preferably in the **hotel BELVEDERE** in the vicinity of the Symposium residence (on the *first come – first served* basis).

The accommodation and meals are to be paid by each participant in cash (usually in the local currency) in hotels and in restaurants. In some hotels the price includes a breakfast. Moderate prices in all places. Details on request.

In case of any unexpected change or cancellation of your arrival DO NOT FORGET TO INFORM US IMMEDIATELY BY ANY MEANS. If you do not arrive for the first night indicated in your registration form your reservation will be cancelled and you also may be asked to pay for one night's accommodation.

Contacts:

Mining Příbram Symposium, P.O. Box 41, CZ - 261 92 Příbram; CZECH REPUBLIC

E-MAIL: MARCINIKOVA@DIAMO.CZ (secretary, Příbram);
LIDMILA.NEMCOVA@QUICK.CZ (convenors, Prague);
DOLEZALOVA@DIAMO.CZ (for convenors at Příbram).

PHONE: (++420) 274811801 or (++420) 281962158 (convenors, recorders)

FAX: (++ 420) 318644148 (Symposium Secretariat at Příbram)

THE MINING PŘÍBRAM SYMPOSIUM 2011

THE INTERNATIONAL SECTIONS:
MATHEMATICAL METHODS IN GEOLOGY and GEOETHICS

FINAL REGISTRATION FORM

*Be so kind to send this **FINAL REGISTRATION FORM** also in case you sent any from previous **preliminary registration forms** (issued prior to June 2011).*

Mark the appropriate answers by a circle around X or delete inappropriate answers (incl. NO or YES).

When using e-mail, be so kind to send this form together to all three e-mail addresses:

MARCINIKOVA@DIAMO.CZ; LIDMILA.NEMCOVA@QUICK.CZ; DOLEZALOVA@DIAMO.CZ .

PERSONAL DATA:

Name:

Address:

E-mail:

Phone No. (incl. country and city codes):

PARTICIPATION IN SEGMENTS:

I shall take part in the following segments (sessions) of the Symposium:

YES - NO mathematical geology and sightseeing - in Prague (October 7-10)

YES - NO sightseeing, culture and relax only - in Prague (October 7-10)

YES - NO mathematical geology - at Příbram (October 10-12)

YES - NO the international section on GEOETHICS - at Příbram (October 10-14)

Accompanying family members:

PAYMENT OF REGISTRATION FEE:

YES - NO **150 €** (regular - PAID BEFORE SEPTEMBER 15, 2011)

YES - NO **180 €** (late - paid IN CASH at the registration desk)

YES - NO **20 €** (for each accompanying person – to be paid IN CASH at the registration desk)

The respective sum is paid:

X by the **BANK TRANSFER** to the account No. 1930194379/0800 at Česká spořitelna, a.s., Prague 1, Rytířská 29, Czech Republic; IBAN : CZ28 0800 0000 0019 3019 4379 ; BIC : GIBACZPX ; the owner of the account: AGRICOLA, Prague, Czech Republic

X I confirm herewith that I shall pay the total sum in **CASH** at the registration desk after my arrival to Příbram

ACCOMMODATION

in PRAGUE:

X I ask you to ensure my/our accommodation in the hotel KRYSTAL

ARRIVAL : October DEPARTURE: October

X I shall ensure my accommodation myself

at PŘÍBRAM: ARRIVAL : October DEPARTURE: October

X I shall ensure my accommodation myself

(ATTENTION: hotels at Příbram DIRECTLY unavailable because of central pre-reservations assured by the Symposium secretariat)

YES - NO **ADDITIONAL SHORT COMMUNICATIONS (no more than 2 pages):**

the title of the short communication:

x already sent

x enclosed

Other special wishes (e.g. need of special documents for visa purposes), comments or remarks:

Signature: