

“GEOSCIENCES 2008”

Program

Thursday, December 3, 2009, Hall 4

Registration		8:00 – 9:30
Annual report and election meeting of BGS		8:30–11:15
C o f f e e B r e a k		11:15–11:30
Opening Ceremony	<i>Dr. S. Strashimirov – President of the Bulgarian Geological Society</i>	11:30–11:45
Mesozoic Geology of Bulgaria	<i>Christo Dabovski, Ivan Zagorchev, Todor Nikolov</i>	11:45–12:15
Year of the Planet Earth and the Triennium of Geosciences – Lisbon 2009	<i>Ivan Zagorchev</i>	12:15–12.30
L u n c h b r e a k		13:00– 14:00

Session: Geochemistry and Mineralogy, hall 4 Chairman: Mihail Tarassov

Jurassic metagranitoids south of the West-Rhodope batholith – conventional and in situ U-Pb zircon analyses, Sr-Nd- Hf isotope tracing and geodynamic constraints	<i>Albrecht von Quadt, Stoyan Sarov, Irena Peytcheva, Emilia Voinova</i>	14:00–14:20
Distribution particularities of nodules occurrence in the eastern Clarion– Clipperton Zone (NE Pacific)	<i>Valcana Stoyanova, Ryszard Kotlinski</i>	14:20–14:40

Organic matter characteristics of dump materials from East Maritza Coal Basin (Bulgaria)	<i>Ekaterina Filcheva, Kalinka Markova, Zlatka Milakovska</i>	14:40–15:00
Geochemistry of metacarbonate rocks from the Arda tectonic unit in the Central Rhodope, Bulgaria	<i>Zlatka Cherneva, Milena Georgieva, Tanja Stoilkova, Ana Petrova, Salza Hekimova</i>	15:00–15:20
Ordovician protoliths of metamorphic rocks in Eastern Pirin–Western Rhodopes: Are they part of the Ograzhden Unit?	<i>Irena Peytcheva, Albrecht von Quadt, Stoyan Sarov, Emilia Voinova, Krastina Kolcheva</i>	15:20–15.40
Preliminary data on auriferous colloform banded textures from high-angle veins in the low-sulfidation Khan Krum gold deposit, SE Bulgaria	<i>Irina Marinova</i>	15:40–16.00
C o f f e e B r e a k		16:00 – 16:20
Paleogene ultrapotassic volcanic rocks of the Eastern Rhodopes, Bulgaria: Petrology, mineralogy and genesis	<i>Yotzo Yanev, Rositsa Ivanova</i>	16:20–16:40
Petrology of marbles from the Arda tectonic unit, Central Rhodope, Bulgaria	<i>Milena Georgieva, Zlatka Cherneva, Salza Hekimova, Ana Petrova</i>	16.40–17:00
Textural and structural evidences for cumulative processes and layering in Svidnya pluton, Stara Planina Mountain, Bulgaria	<i>Momchil Dyulgerov, Bernard Plateveoet</i>	17:00–17:20
Geological, petrographic and geochemical peculiarities of the effusive rocks from the area of Malo Buchino village (Western Srednogorie)	<i>Rossen Nedialkov, Stefan Velev, Albrecht von Quadt, Irena Peytcheva</i>	17:20–17:40
Greigite associations in the manganese ore deposit Obrochishte, Dobrich district, NE Bulgaria	<i>Sveila Atanassova, Petko Petrov, Denka Yanakieva, Hristo Stanchev</i>	17:40–18:00
Uncommon speleothems of karst cavern “Obrechenata” in the area of the village Karlukovo, NW Bulgaria	<i>Zhivka Janakieva, Martin Tranteev</i>	18:00–18:20

Friday, December 4, 2009, Hall 3

Poster Session opening

8:30 – 9:00

Session: Geodynamics, Structural geology and Regional geology

Chairman: Ivan Zagorchev

Strike-slip fault and reverse fault in regional extension	<i>Alexander Radulov</i>	9:00–9:20
Archaeological excavations and extraction of information about ancient earthquakes	<i>Boyko Rangelov</i>	9:20–9:40
The northern boundary of the Fore-Balkan between Ogosta and Iskar Rivers – post-Cretaceous tectonics	<i>Radoslav Nakov</i>	9:40–10:00
Gasconductive faults of the East Stara Planina Mountain (between Beronovo village and Sungurlare town)	<i>Mitko Paskalev, Vladimir Hristov, Petar Petrov</i>	10:00–10:20
Lithologic-tectonic aspect of the Circum-Rhodope Belt flysch in the Chalkidiki Peninsula and the Rhodope-Thrace districts, Northern Greece	<i>Nikolay Bonev, Laslo Klain, Christo Pimpirev</i>	10:20–10:40

Coffee Break

10:40 – 11:00

Geotectonic analysis based on seismostratigraphy in the South Bulgarian Shelf	<i>Orlin Dimitrov, Ivan Genov</i>	11:00–11:20
The Black Sea flood – science and mythology	<i>Petko Dimitrov, Dimitar Dimitrov, Krasimira Slavova</i>	11:20–11:40
Stable isotope study of marbles from Rhodopes metamorphic terrain – an useful contrivance for tectonic correlations	<i>Philip Machev, Serguey Arkadakskiy, Lutz Hecht, Laslo Klain</i>	11:40–12:00
Lithotectonic subdivision of the metamorphic rocks of West and North-West Rila Mountain	<i>Stoyan Sarov</i>	12:00–12:20
The Thracian Suture – does it exist?	<i>Ianko Gerdjikov, Alexandre Kounov, Anna Lazarova, Kamen Bonev, Neven Georgiev, Dian Vangelov</i>	12:20–12:40

Block faulting within Gharyan uplift, Jebel Nafusa arch, Northwestern Libya	<i>Mohammad Ramadan</i>	12:40–13:00
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L u n c h b r e a k **13:00 – 13:30**

P o s t e r s e s s i o n **13:30 – 14:00**

Session: Paleontology, Stratigraphy and Sedimentology, hall 3
Chairman: Daria Ivanova

Sedimentological characteristics of Iskar Carbonate Group (Middle Triassic) in the Belogradchik region – preliminary results	<i>Athanas Chatalov, Galina Doneva</i>	14:00–14:20
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Calpionellid zonation of the Tithonian, Berriassian and Valangian around the village of Gintsi, West Balkan Mountains	<i>Iskra Lakova, Silviya Petrova</i>	14:20–14:40
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First data on the presence of Selandian Stage (Middle Palaeocene) in Central North Bulgaria	<i>Kristalina Stoykova, Marin Ivanov</i>	14:40–15:00
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Revision of the ammonite criteria for the Jurassic–Cretaceous boundary in Bulgaria	<i>Marin Ivanov, Kristalina Stoykova, Vyara Idakieva</i>	15:00–15:20
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Stratigraphy and sedimentology of the Stephanian and Permian in the Lozen Mts. and Vakarel hills	<i>Slavcho Yanev</i>	15:20–15:40
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C o f f e e B r e a k **15:40 – 16:00**

Session: Environmental problems, hall 3
Chairman: Vassilka Mladenova

Palaeogeographic reconstruction of the Gulf of Varna on the basis of materials from the XIXth and XXth centuries	<i>Veselin Peychev, Preslav Peev</i>	16:00–16:20
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About formation of international consortium “Saprotech”	<i>Dimitar Dimitrov, Yevgen Shnukov, Petko Dimitrov, Georgi Tsvetkov</i>	16:20–16:40
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Energy resource of the sea wind wave in the southwest area of Black Sea	<i>Dobromir Grozdev</i>	16:40–17:00
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Formation of mineral phases in the coals as a result of microbial activity	<i>Mariana Yossifova</i>	17:00–17:20
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Preliminary data on organic bounded heavy metals in sites affected by mining activity in Chiprovtsi district, NW Bulgaria

Tanja Stoilkova, Vassilka Mladenova, Tsvetan Kotsev, Zornitza Cholakova, Ralf-Thomas Schmitt

17:20–17:40

POSTER SESSION, HALL 2

Friday, December 4, 2009

8:30 – 17:30

GEOCHEMISTRY AND MINERALOGY

Indicative properties of accessory magnetite and ilmenite from mixed magmas of Petrohan pluton, Western Balkan, Bulgaria

Eugenia Tarassova, Mihail Tarassov, Elena Tacheva, Rossen Nedialkov

LA-ICP-MS at the Geological Institute, Bulgarian Academy of Sciences – a powerful tool for trace element and isotope studies of rocks, minerals, soils, coal, water and archaeological artifacts

Irena Peytcheva, Dimitrina Dimitrova, Peter Marchev, Zlatka Cherneva, Valentin Ganey, Mitko Popov and working team of project RNF 01/0006 of the Bulgarian National Science Fund

Occlusion of ZnCl₂ in a clinoptilolite matrix

Luiza Dimova, Georgi Kirov, Ognyan Petrov, Yana Tzvetanova, Nadejda Lihareva

Rb-Sr isotope data on Variscan and Alpine polymetamorphic evolution of the granitoids from the Ograzhden unit in SW Bulgaria

Nikola Zidarov, Valentin Andreichev, Irena Peytcheva

Zincian tetrahedrite from the deposit of Yuzhna Petrovitsa, Madan ore field

Rossitsa D. Vassileva, Radostina Atanassova

Synthesis of zircon pigments

Tsvetan Dimitrov, Mihail Doinov, Ludmil Bozadjiev, Miluvka Stancheva

PALEONTOLOGY AND STRATIGRAPHY

Upper Barremian ammonite biostratigraphy in Central-North and Northeastern Bulgaria

Marin Ivanov, Vyara Idakieva

Valanginian ammonite biostratigraphy in the Barlya section, Salash Formation (Western Balkan Mountains)

Silviya Petrova

New data on the palynostratigraphy of Mogilishte Formation
(Dobrudzha Coal Basin – Late Carboniferous)

Tatyana Dimitrova

SEDIMENTOLOGY

The playas on the Lower and Upper Permian and their difference with the Lower Triassic in Bulgaria: Paleogeographics and paleogeodynamics implications

Slavcho Yanev

Maeotian and Upper Sarmatian (Chersonian) laminated aragonite-clayey sediments: Examples from Eastern Serbia and Northwestern Bulgaria

Srebrenka Petrović, Elena Koleva-Rekalova

GEODYNAMICS, STRUCTURAL GEOLOGY AND REGIONAL GEOLOGY

Elatsite fault zone – western segment of the Kashana fault (KF)?

Nikolay Petrov, Kamelia Nedkova

MINERAL RESOURCES

The alunite rocks in Bulgaria – raw and ecological material

Angel Kunov, Radoslav Nakov, Atanas Hikov, Nadezhda Velinova, Sylvina Georgieva, Alexander Hadjiev

Gold-bearing potential of the alluvium in Iskar River's catchment basin between Samokov town and Kokalyane village

Gergana Bakalova

Stream-sediment district dividing and prognoses for mineral deposits in Kardzhali district, Bulgaria

Oleg Vitov

Aureols of mechanical dissemination of chromite and spatial distribution of mafic and ultramafic rocks in Bulgaria

Oleg Vitov, Petya Nenova

GEOLOGICAL AND HISTORICAL HERITAGE. GEOARCHEOLOGY

The preserved heritage of Professor Boris Kolkovski in the Mineralogy, Petrology and Economic Geology Museum of the Sofia University "St. Kliment Ohridski"

Elena Neykova, Any Rusinova

ENVIRONMENTAL PROBLEMS

Assessment of the environmental conditions in the area of KCM Plovdiv smelter, after the measures undertaken for remediation and protection

Aleksey Benderev, Boyka Mihaylova, Thomas Kerestedjian, Radostina Atanassova, Vijay Singh

Application of GIS for localization of agricultural land within the vulnerable areas of karst terrains (the example of Western Stara Planina)

Boyka Mihaylova, Aleksey Benderev, Konstantin Kostov

Chemistry of Kamchia River and its influence to the coastal Black Sea area

Galina Shtereva, Anton Krastev

Geological features and regime observations of “Ezerishte” landslide

Plamen Ivanov, Nikolai Dobrev, Miroslav Krastanov, Rosen Nankin, Georgi Frangov

Landslide phenomena near the Oranovo coal mine, SW Bulgaria

Rosen Nankin, Nikolai Dobrev

Closing party: Earth and Man National Museum – 18:45

Cocktail for the participants and the traditional “Christmas party of the geologist”