

Program

Thursday, December 13, 2007

Hall 4

12³⁰ – 13³⁰ **Registration**

13³⁰ – 14⁰⁰ **Opening Ceremony**

MINERALOGY

Chairman: Ruslan Kostov

14⁰⁰ – 14²⁰ *Ivan K. Bonev*: Morphology of galena crystals affected by natural dissolution

14²⁰ – 14⁴⁰ *Radostina Atanassova*: Peculiar pyrite aggregates replacing pyroxene skarns

14⁴⁰ – 15⁰⁰ *Irina Marinova, Petya Nenova*: Preliminary data on electrum mineralization in Kaklitsa occurrence, Krumovgrad gold field, Eastern Rhodopes Mountain, SE Bulgaria

15⁰⁰ – 15²⁰ *Albena Ilieva, Zlatka Milakovska*: Mineral composition of the clay fractions from sediments of Troyanovo-North mine, East Maritsa Basin (Bulgaria)

15²⁰ – 15⁴⁰ *Ventsislav Stoilov, Ognyan Petrov, Milen Kadiyski, Ivan Donchev*: XRD structural characteristics of fluorapatite from Jurassic phosphorite concretions, Gintsi deposit

15⁴⁰ – 16⁰⁰ **Coffee break**

Chairman: Veselin Kovachev

16⁰⁰ – 16²⁰ *Rositsa Titorenkova, Biliana Gasharova, Ludmil Konstantinov, Boriana Mihailova*: Metamict zircon study using synchrotron-based Attenuated Total Reflectance (ATR) infrared microspectroscopy

16²⁰ – 16⁴⁰ *Zhivka Janakieva, Chavdar Nachev, Denka Yanakieva*: Pyroaurite, hydrotalcite and manasseite from Krumovo deposit – new minerals for Bulgaria

MINERAL AND ENERGETIC RESOURCES

- 16⁴⁰ – 17⁰⁰ *Bilgin Vidinli, Vassilka Mladenova, Dimitar Dimitrov*: Geology and mineralogy of Srebren gold-silver deposit, Western Rhodopes
- 17⁰⁰ – 17²⁰ *Vladimir Georgiev, Oleg Vitov*: Metallogenic and mineralogical dividing of West Rhodopes complex dome
- 17²⁰ – 17⁴⁰ *Oleg Vitov*: Alluvial mineralogical study and prognostication of prospecting for mineral resources in Blagoevgrad district, SW Bulgaria
- 17⁴⁰ – 18⁰⁰ *Anton Sotirov*: Petrography of coals with different rank from nine Bulgarian coal basins, type and origin of the ancient peat bogs

Friday, December 14, 2007

Hall 4

GEOTECTONIC AND STRUCTURAL GEOLOGY

Chairman: Manol Antonov

- 09⁰⁰ – 09²⁰ *Yordan Maliakov*: The phyllite tectonics of Strandzha: relictic sedimentological textures in the low-grade metamorphic rocks in the Strandzha region and its geological significance
- 09²⁰ – 09⁴⁰ *Ivan Dimitrov Ivanov*: Superstructure and infrastructure of the metamorphic terrenes of Southeast Bulgaria
- 09⁴⁰ – 10⁰⁰ *Ianko Gerdjikov, Neven Georgiev, Dimo Dimov, Anna Lazarova*: The different faces of supposedly single thrust: a reevaluation of the Vezhen thrust, Central Balkanides
- 10⁰⁰ – 10²⁰ *Eleonora Balkanska, Ianko Gerdjikov, Kamen Bonev, Dimo Dimov*: New data on the thrust tectonics in Central Balkan region
- 10²⁰ – 10⁴⁰ *Dian Vangelov, Kamen Bonev*: Damladere Ductile Shear Zone – preliminary report
- 10⁴⁰ – 11⁰⁰ ***Coffee break***

PETROLOGY AND GEOCHEMISTRY

Chairman: Filip Machev

- 11⁰⁰ – 11²⁰ *Borislav K. Kamenov*: Petrology and geochemistry of dykes from Hurd Peninsula, Livingston Island, South Shetland Islands

- 11²⁰ – 11⁴⁰ *Albrecht von Quadt, Irena Peytcheva, Svetoslav Georgiev, Ben Reynolds*: Inheritance and new growth of zircons from the Srednogorie Zone: evidence from *in-situ* Hf and U-Th-Pb isotope analyses
- 11⁴⁰ – 12⁰⁰ *Irena Peytcheva, Albrecht von Quadt, Kalin Naydenov, Stoyan Sarov, Dimo Dimov, Emilia Voinova*: U-Pb zircon-xenotime-monazite dating and Hf-isotope tracing to distinguish Cretaceous and Paleogene granitoids in the Western Rhodopes and Rila Mountain
- 12⁰⁰ – 12²⁰ *Mihail Tarassov, Eugenia Tarassova, Albrecht von Quadt*: Electron microprobe dating of allanite from the Skrat granitoids (SW Bulgaria)
- 12²⁰ – 14⁰⁰ **Lunch break**

Chairman: Bozhidar Mavrudchiev

- 14⁰⁰ – 14²⁰ *Angel Kunov, Zdravko Tsintsov, Banush Banushev*: Listwaenite type wall-rock alterations in Bulgaria – peculiarities and gold ore perspectives
- 14²⁰ – 14⁴⁰ *Rossen Nedialkov, Bernard Platevoet, Irena Peytcheva, Albrecht von Quadt, Victoria Vangelova*: Geochemistry and U-Pb zircon dating of the Mezdreya granitic pluton
- 14⁴⁰ – 15⁰⁰ *Eugenia Tarassova, Mihail Tarassov*: Leuco-zone in Igralishte pluton (SW Bulgaria) as result of high-temperature autometamorphic processes
- 15⁰⁰ – 15²⁰ *Milena Georgieva, Zlatka Cherneva, Aberra Mogessie, Elena Stancheva*: Garnet-kyanite schists from the Chepelare area, Central Rhodopes Mts., Bulgaria: mineral chemistry, thermobarometry and indications for high-pressure melting
- 15²⁰ – 15⁴⁰ *Atanas Hikov, Lilan-Anna Daieva*: Trace elements in hydrothermally altered rocks from Asarel porphyry copper deposit, Central Srednogorie
- 15⁴⁰ – 16⁰⁰ *Evgenia Kozhoukharova*: A new petrochemical classification diagram for basic and ultrabasic orthometamorphic rocks
- 16⁰⁰ – 16²⁰ **Coffee break**

SEDIMENTOLOGY. CULTURAL HERITAGE, ENVIRONMENT AND NATURAL HAZARDS

Chairman: Stefan Shanov

- 16²⁰ – 16⁴⁰ *Peter Petrov, Mitko Paskalev*: Paleogeography of the Eastern Balkan during the Cenomanian stage

- 16⁴⁰ – 17⁰⁰ *Boyko Ranguelov, Atanas Bliznakov, Edelways Spassov*: Time dependent scenario of powerful multirisk events on the Bulgarian Black Sea coast
- 17⁰⁰ – 17²⁰ *Emilia Sofianska, Kleopas Mihailidis, George Trontsios, Anna Kasoli-Furnaraki*: Contamination of the Xiropotamos stream sediments (Drama district, Western Rhodopes massif, Northern Greece) by mining and mineral processing activities
- 17²⁰ – 17⁴⁰ *Rusi Rusev, Ivelin Kuleff, Vladimir Slavchev, Jordan Boyadjiev*: Probable source of raw material of gold articles of Varna's Halkolite Necropolis, concerning the arising of human civilization and beginning of the basic technology

POSTER SESSION

December 13–14, 2007

Hall 2

Conveners: Slatka Milakovska

GEOTECTONIC AND STRUCTURAL GEOLOGY

Anna Lazarova, Neven Georgiev, Dimo Dimov: Preliminary structural data on the “Stara planina high-grade metamorphic series”, Teteven Stara planina Mountains

Borislav Yordanov, Stoyan Georgiev, Eleonora Balkanska, Valentin Grozdev: New data for the structure and caldera evolution of Nanovitsa volcano massif, Eastern Rhodopes

Douwe J. J. van Hinsbergen, Radoslav Nakov, Guillaume Dupont-Nivet, Karen Oud: New paleomagnetic data showing no post-Eocene rotation of the Moesian Platform and the Rhodopes. Possible interpretations and significance for the geodynamics of the Balkan/Aegean region

Eleonora Balkanska, Dimo Dimov: Ductile shear zone along the south and southwest contact of Rila-Rhodopes Batholith

SEDIMENTOLOGY

Polina Andreeva: Microfacies of Middle Devonian (Givetian) sediments in deep wells from Northeastern Bulgaria – preliminary results

MINERALOGY

Boriana Kotzeva, Nikolay Piperov: Chemical analysis of fluid inclusions in quartz (Madan ore field, Bulgaria)

Georgi Georgiev, Ljudmil Bozadjiev: Perovskites with magnetic properties in the system $Ba_2FeNbO_6 - Sr_2FeNbO_6$

Iskra Piroeva, Stela Atanasova-Vladimirova, Virgil Dimov: Pilot investigation of tourmaline from the pegmatite vein Latinka, Central Rhodopes, Bulgaria

Jose-Maria Gonzalez-Jimenez, Thomas Kerestedjian, Fernando Gervilla, Joaquin Proenza: Statistical analysis of the distribution of platinum-group minerals in the ophiolite chromitites from the Dobromirski Ultramafic Massif (SE Bulgaria): implications for their origin and postmagmatic evolution

Mihail Doynov, Ludmil Bozadjiev, Todorka Gavrailova: Spinel pigments from spent catalysts

Pavle Tančić, Maja Poznanović, Simo Mojić, Veroljub Kovačević: Finding of hematite (specularite) at the Duškina Mala locality near Preševo, South Serbia

Vassilka Mladenova, Dimitrina Dimitrova, Ralf-Thomas Schmitt: Efflorescent minerals formed during intensive weathering of phyllites, Chiprovtsi ore district, northwestern Bulgaria

PETROLOGY AND GEOCHEMISTRY

Elena Tacheva, Rossen Nedialkov, Irena Peytcheva: Petrography of spessartitic dykes in the area of the Petrohan pluton

Klaus Heide, Yotzo Yanev: Volatiles in the Paleogene perlites of the Eastern Rhodopes: preliminary mass-spectroscopic study

Petya Nenova, Irina Marinova: New data on serpentinized ultramafic body near Kamena village, Belasitsa Mountain, SW Bulgaria

CULTURAL HERITAGE, ENVIRONMENT AND NATURAL HAZARDS

Margarita Matova, Rumiana Glavcheva: About technogenic influence over tectonic seismicity in the world and in Provadia

GEOPHYSICS

Dragomir Gospodinov, Boyko Rangelov, Vassilios Karakostas, Eleftheria Papadimitriou, Atanas Tanev, Aleksandre Kandilarov: Preliminary results on the implementation of the H/V spectral ratio technique on ambient vibrations in the town of Yambol

Elisaveta Marekova, Boyko Rangelov, Dragomir Gospodinov: Statistical investigation of earthquake sequences on different regions in the world

Petia Trifonova, Zheljo Zhelev, Totka Petrova: Examination of the Curie point depth inverse problem's stability