



**THE 5TH SYMPOSIUM
BAIA MARE BRANCH
OF THE
GEOLOGICAL SOCIETY OF ROMANIA**

**6-7th November 2003
BAIA MARE**

SAMAX



REMIN S.A.

PROGRAMME

**ORGANISERS:
GEOLOGICAL SOCIETY OF ROMANIA
BAIA MARE BRANCH**

**In cooperation with:
NORTH UNIVERSITY - BAIA MARE
SAMAX Romania BAIA MARE
and
REMIN – NATIONAL COMPANY OF PRECIOUS
AND NON-FERROUS METALS BAIA MARE**

ORGANIZING COMMITTEE

Edelstein O., Radu D. M., Nicolici A., Kovacs M., Balanescu A., Fülöp A.

SYMPOSIUM SCHEDULE

THURSDAY November 6

10:00 – 10:30	<i>OPENING CEREMONY</i>
10:30 – 13:30	<i>INVITED LECTURES</i>
13:00 – 15:00	<i>LUNCH</i>
15:00 – 18:20	<i>ORAL SESSION</i>
18:30 – 19:30	<i>POSTER SESSION</i>
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20:00	<i>WELCOME PARTY</i>

FRIDAY November 7

07:00 – 13:00	<i>VISIT IN BALIA SPRIE MINE</i>
	<i>VISIT OF THE MINERALOGICAL MUSEUM</i>
13:00 – 15:00	<i>LUNCH</i>
15:00 – 19:00	<i>ORAL SESSION</i>

THURSDAY, NOVEMBER 6, 2003

10:00 – 10:30 OPENING CEREMONY

INVITED LECTURES

Chairman: Udubasa G.

- 10:30 – 11:00 SANDULESCU M.I.: Some Problems Concerning the structural and palinspastic correlation between the East and the West Carpathians
11:00 – 11:30 PÉCSKAY Z.: K/AR Dating of the Neogene-Quaternary magmatism in the Carpathian-Pannonian Region (CPR)

11:30 – 12:00 COFFEE BREAK

Chairman: Sandulescu M.I.

- 12:00 – 12:30 O'CONNOR G.V., SZENTESY C., MINUT A.: Applied exploration techniques on the development of the Rosia Montana gold deposit, Rosia Montana, Romania
12:30 – 13:00 PETREUS I.: The divided structure of apatite crystals
13:00 – 13:30 UDUBASA G.: Museum mines in Romania: a dream?

ORAL SESSION

Chairmans: Petreus I., Seghedi I.

- 15:00 – 15:20 BERZA T.: Models of Late Cretaceous magma genesis in the Balkan-Carpathian-Pannonian region: from a paradigm to another.
15:20 – 15:40 MARUNTIU M.: Petrology of the marble encapsulated eclogites from Apuseni Mountains
15:40 – 16:00 FÜLOP A., CRIHAN M.: Correlating the tuffaceous deposits from Maramures basin, NW Romania
16:00 – 16:20 KASPER H.U., POTTS P.J., WEBB P.C., THOMPSON M., CHENERY S.R.N., PREUSSER F.: Preparation of a loess sediment as a candidate reference material-geoproficiency test (GeoPT) for analytical geochemistry laboratories round 13

16:20 – 16:40 COFFEE BREAK

Chairmans: Berza T., Veliciu S.

- 16:40 – 17:00 VELICIU S., STRATULAT P.: Inventory of metal mining wastes in Romania: a methodological approach
17:00 – 17:20 MURESAN I.: New lithostratigraphic and tectonic elements in the Poiana Rusca epimethamorphic unit (Southern Carpathians)
17:20 – 17:40 HALGA S.: Mineralisation controls in the Baia Mare district, Romania
17:40 – 18:00 RADU D.M.: Thermobaric evolution of the metamorphic rocks from Preluca, Ticau and Codru massifs, NW Transylvania, Romania
18:00 – 18:20 RADU D.M., HALGA S.: Firiza Valley, Baia Mare, Romania – a simple conventional limit or a tectonic alignment playing a major role in the magmatic and hydrothermal processes in the area?

18:30 – 19:30 POSTER SESSION

FRIDAY, NOVEMBER 7, 2003

**07:00 – 13:00 VISIT IN BAIA SPRIE MINE
VISIT OF THE MINERALOGICAL MUSEUM**

13:00 – 15:00 LUNCH BREAK

ORAL SESSION

Chairmans: Pécskay Z., Lang B.

- 15:00 – 15:20 LANG B., ZELENKA T., PÉCSKAY Z. Z., FOSTER D.: Telkibanya (Tokaj Mountains, Hungary): Dating the hydrothermal events
- 15:20 – 15:40 SEGHEDI I., DOWNES H., VASSELI O., BALOGH K., PÉCSKAY Z., SZAKACS A.: Alkalic-mafic magmatism in the Carpathian-Pannonian region: a review
- 15:40 – 16:00 KOVACS M., PÉCSKAY Z., FÜLOP A., EDELSTEIN O., GABOR M.: Time-space evolution of the Neogene magmatism in Gutai Mts. (Eastern Carpathians, Romania)
- 16:00 – 16:20 ISTVAN D., VIDA S., MORAR O., Lead-zinc ± gold mineralizations from Purcari area (Ilba)
- 16:20 – 16:40 GÖTZ A.: Mineral luminescence in visible spectrum using Becquerel fosforoscope

16:40 – 17:00 COFFEE BREAK

Chairmans: Kasper H.U., Kovács-Pálffy P.

- 17:00 – 17:20 IANCU O.G.: Petrological and geochemical considerations on the Ohaba chondrite
- 17:20 – 17:40 MAFTEI R-M., RUSU E.: A multidisciplinary approach of land instability phenomena in salt massive areas
- 17:40 – 18:00 KÁLMAR J.: New Caledonia – mining and environmental protection impressions from the International Symposium “Preservation et restauration ecologique en environment tropical minier”
- 18:00 – 18:20 COMAN M., OROS V.: Research of the ecoefficiency of using the wastes resulted from the wood primary processing as renewable power source
- 18:20 – 18:40 RACOLTA S.: Colbu – Baia Borsa croscutt, touristic destination
- 18:40 – 19:00 SZAKÁCS A.: Edifice instability and related processes at composite volcanoes. Implications for mineral exploration
- 19:00 – 19:20 SAVU H.: Trondjemitic magmas engendered by the island arc bimodal volcanism in the Mures zone, Romania

POSTER SESSION

ANDRONE D. A-M, KASPER H. U., SCHOENBECK T.: Geochemical study of feldspars from Contu-Negovanu pegmatites

DENUȚ, I., RADU D.M.: Geological structure of the Ticau crystalline massif

FÖLDVÁRI M., KOVÁCS-PÁLFFY P., PÉCSKAY Z., HOMONNAY Z.: Structural investigations of mica minerals with the object of suitability for K/Ar radiometric dating

GOREA M., BALICA C, POP D.: (K, Na) Feldspar Systems – raw materials for ceramics

HIRTOPANU P.: Mineralogy, origin and metamorphism of Mn deposits from Bistrita Mts., East Carpathians, Romania

KOZÁK M., KOVÁCS-PÁLFFY P., PÜSPÖKI Z., DEÁK J., PATAKI A., McINTOSH R. W.: Recently explored Sarmatian sedimentary bentonite site in Hungary (Sajóabony)

LÁSZLÓ A.: Spatial evolution of the Neogene volcanism in Harghita Mountains in connection with the tectonic events from the Carpathian bent area (Romania)

LÁSZLÓ A.: General features of the peripheral magmatic structures along the main volcanic alignment in the Harghita Mountains (Eastern Carpathians)

PINTEA I. MOSONYI E.: Magma mixing evidences inferred by petrographic, melt and fluid inclusions studies

PÜSPÖKI Z., KOZÁK M., KISS B., KOVÁCS-PÁLFFY P., BARTA A.: Descriptive characteristics of bentonite layers in a sedimentary bentonite site with tuffogenic origin (Sajóabony – NE Hungary)

SZENTESY C., MINUT A., O'CONNOR G.V.: Bucium Rodu Frasin gold deposit – new exploration data in a historic mining area