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## Mineralogical Society of Poland

### ELECTRON MICROSCOPY AND MICROANALYSIS CONFERENCE AND "ACCESSORY MINERALS IN SITU: MICROANALYTICAL METHODS AND PETROLOGICAL APPLICATIONS" WORKSHOP

The Electron Microscopy and Microanalysis Conference held in Kraków, Poland on 17–18 September 2007 was organized to celebrate the 30<sup>th</sup> anniversary of the scanning electron microscopy laboratory for the biological and geological sciences in the Faculty of Biology and Earth Sciences of the Jagiellonian University. The laboratory was founded in 1977 and run by Professor Wincenty Kilarski.

The conference was organized under the auspices of the Polish branch of the European Microbeam Analysis Society (EMAS), with the collaboration of the rector of the Jagiellonian University, the Polish Society for Microscopy, the Polish Academy of Arts and Sciences, and the Mineralogical Society of Poland. The anniversary of the laboratory provided a good

occasion to present the results of fruitful collaborations between the laboratory and scientists in the biological and geological fields.

The geological session of the meeting consisted of lectures and poster presentations focused on SEM-CL imaging and spectroscopy applied to accessory minerals; accessory mineral reactions and

dating in petrology; applications of electron microprobe and SEM-EDS methods in the petrology of igneous, metamorphic, and sedimentary rocks; the reconstruction of diagenetic processes supported by microanalytical methods; results from the study of gold deposits and occurrences in the western Carpathians; environmental problems (studies of carbonaceous aerosols using TEM, HRTEM, and optical microscopy; deterioration of building stones in polluted atmosphere); and the applications of electron microscopy in studies of coal and coke.

Before the conference, the workshop "Accessory Minerals In Situ: Microanalytical Methods and Petrological Applications" gathered mineralogists and petrologists from Poland and abroad. The workshop was organized by the Mineralogical Society of Poland; the Institute of Geological Sciences, the Jagiellonian University (Kraków, Poland); the Faculty of Geology, Geophysics and Environmental Protection, AGH – University of Science and Technology (Kraków, Poland); and the Department of Geosciences, University of Massachusetts (Amherst, MA, USA). Fifteen lectures covering the microanalysis of accessory minerals and their dating, transformations, and role in petrological and geological interpretations were presented by



Workshop participants

a number of lecturers: Igor Broska, Alain Cocherie, Peter S. Dahl, Daniel J. Dunkley, Marek Faryna, Friedrich Finger, Daniel E. Harlov, Callum J. Hetherington, Matthew S.A. Horstwood, Emilie Janots, Erwin Krenn, Janusz Lekki, Tamás Mikes, John F. Rakovan, Daniela Rubatto, and Michael L. Williams. This workshop was a forum for discussing the increased precision and accuracy of geochronological methods, as well as new analytical techniques and their application to accessory minerals research.

Geological abstracts of the conference and workshop proceedings are published in volume 30 of *Mineralogia Polonica – Special Papers*. The event was financially supported by the Polish Ministry of Science and Higher Education, the Polish Academy of Arts and Sciences, the Mineralogical Society of Poland, and the companies Labsoft, Comef, EDAX, FEI Company, Art-Vac, and JEOL.

### 2<sup>nd</sup> Central European Mineralogical Conference and XV Meeting of the Petrology Group of the Mineralogical Society of Poland



**11–14 September 2008**  
**Lower Silesia, Sudetes Mountains**  
**Poland**  
**1<sup>st</sup> Circular**

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### 2<sup>nd</sup> Central European Mineralogical Conference

The 2<sup>nd</sup> Central European Mineralogical Conference (CEMC), co-organized by the Mineralogical Society of Poland, will be held from 11 to 14 September 2008 in the beautiful countryside of the Sudetes, southwestern Poland. The organizing committee has planned a varied program on basic research in mineralogy and its applications in petrology, geochemistry, and the environmental sciences. A number of interesting field trips will take advantage of the fantastic geology, as well as classical and new mineralogical localities in the Sudetes.

#### Workshop

A preconference workshop on powder diffraction Rietveld refinement methods will be offered (10–11 September). The workshop will consist of a combination of lectures and computer-based practical sessions, given by John Rakovan and Olaf Borkiewicz from the Department of Geology, Miami University, Oxford (Ohio, USA). The workshop is oriented towards beginners in the use of the Rietveld method.

The computer program GSAS will be used and supplied to all participants. Discussions will include sample preparation, data collection, and the use of the Rietveld method for crystal structure refinement. Quantitative analysis of mixed samples will not be covered in depth. The number of participants is limited.

#### Deadlines and Schedule

- 30 December 2007 Workshop registration
- 15 April 2008 Conference registration and abstract submission
- 30 June 2008 Early registration conference fee
- 10–11 September 2008 Workshop on powder diffraction Rietveld refinement methods
- 11–14 September 2008 2<sup>nd</sup> Central European Mineralogical Conference

#### Fees

Categories	Preregistration	On Site Registration
<b>Regular</b>	70 EUR	90 EUR
<b>Student</b>	40 EUR	60 EUR
<b>Workshop</b>	30 EUR	-