

**CONFERENCE – WORKSHOP  
GEODYNAMICS OF CENTRAL EUROPE**

**29 May – 3 June 2005, Zakopane/Tatra Mountains, Poland**

**BEL-AMI Hotel, Zakopane, Goszczyńskiego 24**

**Tel: + 48 (018) 20 13 511, Email: [dw@bel-ami.pl](mailto:dw@bel-ami.pl); [www.bel-ami.pl](http://www.bel-ami.pl)**

**General plan of Conference**

<b>29 May</b>	-	<b>arrival in Zakopane</b>
<b>30 May -1 June</b>	-	<b>presentations, posters, discussions</b>
<b>2 June</b>	-	<b>geological excursion</b>
<b>3 June</b>	-	<b>departure</b>

**Programme of the Conference - Workshop  
GEODYNAMICS OF CENTRAL EUROPE**

**30 May**

09:00	<b>Introduction to Conference - Geodynamic of Central Europe</b> <i>A. Guterch</i>
09:20	<b>Trans-Carpathian transects from Precambrian Platform to Pannonian Basin based on CELEBRATION 2000 seismic data</b> <i>M. Grad, P. Šroda, W. Czuba, A. Guterch, G.R. Keller, A.K. Tokarski, T. Janik, A. Ślącza, M. Rauch, E. Hegedűs, J. Vozár, T. Tiira, J. Yliniemi and CELEBRATION 2000 Working Group</i>
09:50	<b>Lithospheric structure of the western part of the East European craton investigated by deep seismic profiles</b> <i>M. Grad, T. Janik, A. Guterch and EUROBRIDGE &amp; POLONAISE'97 Seismic Working Groups</i>
10:10	<b>Paleozoic accretion in the Carpathian area in the orogene junction area in Southeastern Poland, Slovakia and Western Ukraine</b> <i>J. Golonka, A. Vozár, Adam Tomas, W. Rylko, Anna Tomas, J. Vozár</i>
10:30	<b>The uniqueness of the Pannonian Basin crust as imaged along the CEL07 and CEL08 seismic profiles.</b> <i>M. Malinowski, E. Hegedűs and CELEBRATION Working Group</i>
<b>Coffee break    10:50 - 11:20</b>	
11:20	<b>An integrated approach in revealing the structure of the West-Pannonian Basin from crust to deep mantle: past, present and future</b> <i>T. Fancsik, Gy. Falus, Z. Hajnal, E. Hegedűs, R.G. Keller, A.Cs. Kovács, I. Török</i>
11:40	<b>Composition and structure of a subduction-affected lithospheric mantle beneath the Eastern Transylvanian Basin: a xenolith study</b> <i>A. Toth, G. Falus, C. Szabo and K. Hidas</i>
12:10	<b>CELEBRATION 2000: Crustal and upper mantle structure of the Bohemian Massif from CELEBRATION CEL09 and CEL 10 data</b> <i>P. Hrubcová, P. Šroda, A. Spičák and CELEBRATION 2000 Working Group</i>
12:30	<b>Upper crustal seismic anisotropy near the East European Craton margin in SE Poland</b> <i>P. Šroda and CELEBRATION 2000 Working Group</i>

12:50	<b>3D crustal structure of the SE Poland revisited</b> <i>M. Malinowski</i>
<b>Lunch 13:10 - 15:00</b>	
15:00	<b>Late Neoproterozoic to Early Palaeozoic palaeogeography of the Holy Cross Mts. (Central Europe): an integrated approach</b> <i>J. Nawrocki</i>
15:25	<b>Earthquakes recorded in Podhale, Carpathians, November 2004 – February 2005</b> <i>B. Guterch</i>
15:35	<b>Overview on recent activities within ALP 2002 and ALPASS</b> <i>E. Brückl</i>
15:55	<b>Accuracy and resolution of a 3D seismic model of the Eastern Alps</b> <i>M. Behm</i>
16:15	<b>Crustal structure of the Dinarides and edge part of the Pannonian Basin based on 2D interpretation of the ALP07 profile</b> <i>F. Šumanovac, J. Orešković, and M. Grad</i>
<b>Coffee break 16:35 - 17:00</b>	
17:00-18.30	<b>Meetings of Working Groups</b>
<b>Dinner 19:00</b>	

### 31 May

09:00	<b>Is the 35 km-thick "Avalonian" Crust in Eastern North America and Western Europe Normal Thickness or Extended Crust?</b> <i>R. D. Hatcher, M. Grad, G. R. Keller</i>
09:30	<b>Maps of potential fields in the CELEBRATION 2000 region</b> <i>S. Wybraniec, M. Bielik, B. Meurers, J. Švancara, K. Kloska</i>

09:50	<b>Density modelling along the profile CEL01</b> <i>M. Bielik, T. Grabovska, G. Bojdys, K. Csicsay, S. Wybraniec, J. Šefara, J. Vozár</i>
10:10	<b>Integrated gravity, geothermal and isostatic modeling along the profiles CEL04 and CEL05</b> <i>J. Dérerová, M. Bielik, H. Zeyen, J. Vozár, J. Šefara</i>
10:30	<b>General morphological properties of the Carpathian gravity field in the light of experiment CELEBRATION 2000</b> <i>L. Krysiński</i>
<b>Coffee break 10:50 - 11:20</b>	
11:20	<b>Gravity field modeling in the Carpathian area – problems and suggestions</b> <i>Cz. Królikowski, O. Polechońska</i>
11:40	<b>Constraints on seismic velocities of the lower crust in the area of the Eastern Alps from gravity</b> <i>U. Mitterbauer</i>
12:00	<b>Heat flow and thermal lithosphere in Central Europe. Uncertainties and constraints</b> <i>J. Majorowicz, V. Čermak, Gosnold, M. Grad, A. Guterch, J. Puziewicz, J. Safanda, S. Wybraniec and H. Zeyen</i>
12:30	<b>Finite element model of the recent stress field of Central Europe</b> <i>M. Jarosiński</i>
<b>Lunch 12:50 - 15:00</b>	
15:00	<b>A 3-D velocity model of the continental crust of NW Europe from wide-angle data</b> <i>R. England</i>
15:30	<b>Amplitude-distance curves and attenuation in the UK</b> <i>D.C. Booth</i>
15:50	<b>Continental margin of the European plate in the North Atlantic in the region of Svalbard Archipelago based on seismic data</b> <i>W. Czuba</i>
16:10	<b>Structure and composition of the upper mantle beneath the SVEKALAPKO seismic array in Finland: main results of seismic studies and implications for future passive seismic experiments</b> <i>E. Kozlovskaya, J. Yliniemi, S.-E. Hjelt and SVEKALAPKO STWG</i>

16:30-16:50	<b>Lithological crust-mantle boundary in Precambrian areas: constraints from S-wave velocity models and gravity modeling</b> <i>E. Kozlovskaya, J. Yliniemi, T. Janik, M. Grad, T. Tiira</i>
	<b>Dinner in Country Restaurant 18:00</b>

**01 June**

09:00	<b>Passive seismic experiments in the Bohemian Massif to study upper mantle structure by means of tomography and seismic anisotropy</b> <i>V. Babuska and J. Plomerova</i>
9:30	<b>Velocity model of the Earth crust in the seismoactive region of western Bohemia</b> <i>J. Malek, O. Novotny, M. Broz</i>
9:50	<b>The crust and upper mantle of the western Bohemian Massif in the light of receiver function</b> <i>W. Geissler</i>
10:10	<b>Vs structure of the crust and uppermost mantle of Bohemian Massif from teleseismic receiver function</b> <i>M. Wilde-Piörko, J. Saul, M. Grad</i>
<b>Coffee break 10:30 - 11:00</b>	
11:00	<b>Tomographic sections of Bohemian Massif on SUDETES 2003 refraction line</b> <i>M. Novotny, P. Hrubcova, O. Karousova, B. Ruzek, A. Spičak, M. Broz, J. Malek</i>
11:20	<b>The deep lithosphere structure beneath the TESZ</b> <i>M. Świeczak</i>
11:40	<b>State of art of seismic tomography in Italy and integration of earthquake and controlled source data for investigation of crustal structure</b> <i>G. Neri</i>
12:10	<b>DANUBE 2004 seismic experiment in S-Hungary</b> <i>E. Hegedűs, R.G. Keller, T. Fancsik, A. Guterch, M. Grad, E. Brueckl, T. Tiira, A.Cs. Kovács, I. Török, R. Csabafi, M. Świeczak</i>

12:30-12:50	<b>Interpretation of new geophysical sections in the Northern part of Western Carpathians (Conclusion of the CARTA-project, Slovak part)</b> <i>V. Szalaiová, M. Katona, M. Potfaj, J. Vozár, M. Bielik, H. Tkáčová,</i>
<b>Lunch 13:00 - 15:00</b>	
15:00-18:00	<b>Meetings of Working Groups</b>
<b>Dinner 19:00</b>	

**02 June**  
**Professional Geological Excursion**

**03 June**  
**Departure**

POLONAISE'97, CELEBRATION 2000,  
ALP 2002, and SUDETES 2003 Working Groups

Local Organizer  
Alexander Guterch