



Program of the 11th CTeG Meeting

Várgesztes, 24th-27th April 2013

Wednesday, 24th April, pre-conference field trip, icebreaker party

Pre-conference field trip leaves Várgesztes Villapark at 8 am and arrives back in the late afternoon (ca. 19h).

19:30 Icebreaker party, wine-tasting and dinner in the Main Building

Thursday, 25th April, scientific day I.

Registration desk opens at 7:45.

8:10 Welcome, opening of the meeting (L.I. Fodor)

Session 1 (8:20 – 10:20) Neotectonics of Central Europe (6)

Chairman: Kurt Decker

Kovács Gábor, Telbisz Tamás, Székely Balázs: Relationship of the general morphology of the surface and the basement structure between the Styrian and the Pannonian Basin

Visnovitz Ferenc & Horváth Ferenc: Balatonfő Line in ultrahigh-resolution: a neotectonic fault zone under Lake Balaton

Antek K. Tokarski, Ania Świerczewska, Nguyen Q. Cuong, Witold Zuchiewicz: Active tectonics of the Western Carpathians (Polish Galicia): Evidence from fractured clasts

Petra Štěpančíková, Petr Tábořík, Tomáš Fischer, Filip Hartvich, Magda Karousová: Late Quaternary activity within the Mariánské Lázně Fault zone as revealed by trenching survey and shallow geophysics (Cheb basin, Bohemian Massif)

Szczygieł Jacek & Gaidzik Krzysztof: The role of tectonic setting in the caves development: case study of the Bystra Valley, Tatra Mts., Poland

Martin Danišík, Phil Shane, Axel K. Schmitt, Alan Hogg, Guaciara M. Santos, Noreen J. Evans, Sonja Storm, Keith Fifield: Testing zircon (238U/230Th) + (U-Th)/He geochronometer - a new dating tool for Quaternary Science

10:20-10:40 Coffee break and posters

Session 2 (10:40-12:45) Tertiary structural evolution of the Carpathian orogenic belt and the Pannonian Basin system – interaction of tectonics, magmatism and sedimentation (6)
Chairman: Gábor Tari

Michal Kováč, Eva Halássová, Jana Hlavatá, Natália Hudáčková, Marianna Kováčová, Miroslav Pereszlényi, Samuel Rybár, Bohuslava Sopková, R. Synak, K. Šarinová, Martin Šujan, Rastislav Vojtko: Depositional systems of the northern Danube Basin: facts and hypothesis

Silvia Králiková, Rastislav Vojtko, Paul Andriessen, Michal Kováč, Jozef Hók, Bernhard Fügenschuh, Jozef Minár: Tectono-thermal history of the Turiec Basin and its neighbourhood constrained by zircon and apatite fission track analysis

Emő Márton: Clockwise rotation of the Transdanubian Range and Adria close to the K/T boundary implicated by counter-clockwise rotated paleomagnetic directions

Attila Várkonyi, Balázs Törő, Orsolya Sztanó, László Fodor: Late Cenozoic deformation and tectonically controlled sedimentation near the Balaton Zone (central Pannonian Basin, Hungary)

Balázs Bodor, László Fodor: Miocene structural evolution of the Hernád graben (NE Hungary) based on integrated seismic and outcrop data

Tímea Ledő, Gyula Konrád, Krisztina Sebe: Extrusional deformation along a major transpressional mountain front: Mecsek Mts., SW Hungary

12:45-14:20: Lunch and posters

Session 3 (14:20-16:15) Geodynamics of the Pannonian Basin, Alps, Carpathians, Dinarides, Hellenides (from microscope to plate tectonics)(5)
Chairman: Karel Schulmann

István Kovács, György Falus, Csaba Szabó, Zsanett Pintér, Nóra Liptai, Levente Patkó: Dynamics of the lithosphere-asthenosphere system in the Carpathian-Pannonian region following the Miocene extension

Nóra Liptai, Levente Patkó, László Aradi, István Kovács, Csaba Szabó, Andréa Tommasi: Crystal preferred orientation as a result of deformation effects in the upper mantle beneath the Nógrád-Gömör Volcanic Field

Frank Horváth, Attila Balázs, Géza Wórum, Balázs Koroknai, Balázs Musitz, Miklós Kóbor, Tamás Tóth: New progress and problems in the geodynamics of the Pannonian basin

Gábor Tari: The structure of the Bohemian Spur and its implications for the broader Carpathian-Pannonian region

Stefan M. Schmid, Daniel Bernoulli, Bernhard Fügenschuh, Alexandre Kounov, Liviu C. Matenco, Roland Oberhänsli, Senecio Schefer: First-order similarities and differences between the Alps, Dinarides, Hellenides and the Anatolides-Taurides

16:15-16:30 Coffee break and posters

16:30-18:30 Poster session

Friday, 26th April, scientific day II.

Session 4 (8:20 – 9:40) Alpine deformation of the Carpathians and far beyond (4)

Chairman: Dušan Plašienka

Michal Krobicki, Oleh Hnylko, Anna Feldman-Olszewska, Jolanta Iwanczuk: Kaminnyi Potik Unit in the Ukrainian Carpathians and its volcanogenic rocks

Petr Jeřábek, Ondrej Lexa, Petra Maierová, Karel Schulmann: Scaling the inverse ductile thinning mechanism: the Vepor Dome example

Lexa Ondrej, Schulmann Karel, Janoušek Vojtěch, Maierová Petra: Internal architecture and dynamics of large-hot orogens - lessons from Bohemian Massif

Abdellah Ait Addj, János Haas, Szilvia Kövér, László Fodor: Evolution of Jurassic sedimentary and tectonic boundaries in the Central and Eastern High Atlas, Morocco

9:40-10:00 Coffee break and posters

Session 5 (10:00-11:20) Variscan deformation of the Bohemian Massif and far beyond (4)

Chairman: Tivadar M. Tóth

Andrzej Żelaźniewicz: Palaeogeographic versus geodynamic models of the Variscan belt

Zoltán Németh & Martin Radvanec: Rakovec geosuture in the Inner Western Carpathians: Tectonometamorphic relations of this dominant marker of Variscan evolution

Vít Peřestý, Robert M. Holder, Ondrej Lexa, Martin Racek, Bradley R. Hacker: Pre-variscan metamorphism in the Teplá-Barrandian superstructure – insights from the garnet petrology and monazite geochronology

Schulmann, Karel; Chopin, Francis; Corsini, Michel; Edel, Jean Bernard; Mohammed, Al Huicha; Ghienne, Francois: Tectonic and geochronology of the Rehamna Massif (Morocco) in the frame of the Alleghanian–Variscan orogeny

Session 6 (11:20-12:20) Modeling, methods (4)

Chairman: Andrzej Konon

Ondřej Krýza, Ondrej Lexa, Petra Maierová: Application of multivariate statistical methods for analysis of thermomechanical numerical models of diapirism

Marta Adamuszek: Shape analysis of numerical and natural examples of single layer fold trains. What can we learn?

Edina Bartakovics, Zsófia Koma, Balázs Székely, András Zámolyi, Gábor Kovács, Timár Gábor: Voxelization attempts based on seismic profiles and borehole data for a confined 3D block at Mihályi, Little Hungarian Plain

Gergely Dabi, Félix Schubert, Tivadar M. Tóth: The hydraulic behaviour model of a seismically assisted fluid flow event in the Mecsek-alja Zone

12:40-14:10: Lunch and posters

Session 7 (14:10-16:10) Deformation mechanisms and shear zones from low- to high-temperature (6)

Chairman: Ondrej Lexa

Nikol Novotná, Petr Jeřábek, Pavel Pitra, Ondrej Lexa, Martin Racek: Tectonic mélange within the Ochtiná belt (Central Westernern Carpathians): a zone of major deformation of Alpine age

Krzysztof Gaidzik & Jerzy Żaba: Fold generations within southern and northern contact zone of the Karkonosze Massif in the vicinity of Karpacz and Szklarska Poreba (SW Poland)

Pavína Hasalová, Nicholas James Hunter, Roberto Ferrez Weinberg, Melanie Anne Finch: Clast Rotation and Nature of Strain Localization in Thick Ultramylonites: the El Pichao Shear Zone, NW Argentina

Melanie Finch, Pavína Hasalová, Roberto F. Weinberg, Mark Fanning: Switch from thrusting to extension in the Zaskar Shear Zone, NW Himalaya: structural and metamorphic evidence

Martin Racek, Ondrej Lexa, Petr Jeřábek, Martin Svojtka: Metamorphic record of high temperature interactions between mantle rocks and felsic granulites

Tatiana Larikova Corona textures formation during HP metamorphism of the Marun-Keu complex (Polar Urals): bell-shape garnet zoning development

16:10-16:30 Coffee break and posters

Session 8 (16:30-17:10) Remote sensing, areal geophysics (2)

Chairman: Zoltán Németh

Nawal Bouya, Hmidou El-Quardi, Véronique Ansan, Eric Mercier: Preliminary results of aeromagnetic survey from Agourai area (Central Morocco)

Alexandra Guy, Karel Schulmann, Marc Munsch, Jean-Bernard Edel, Jean-Marc Miehé: Gravity and magnetic features of southern Mongolia combined with surface geology: a review of terrane boundaries

17:10-17:25 Concluding remarks, conference summary

17:25-19:00 Poster session

19:00 Conference dinner with live music and dance in the Main Building of the Villapark; Radek Melka price, best student poster and Staszek Brud award ceremony

Saturday, 27th April, post-conference field trip

Post-conference field trip leaves Várgesztes Villapark at 8 am and arrives back in the early afternoon (ca. 16h).

The conference, participation of students, printing of conference materials are supported by the following companies

