



Program of the 15th CETeG Meeting

Zánka, Lake Balaton, 5th-8th April 2017

Wednesday, 5th April, pre-conference field trip

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

Please, take your helmet and safety vest if you can bring your own!

19:30 Gulasch party and liquids

Thursday, 6th April, scientific day I.

Registration desk opens at 7:40.

8:05 Welcome, opening of the meeting (L.I. Fodor)

Session 1 (8:15 – 10:30) Indentation and deformation: from analogue modelling to deformation of the upper crust(6)

Chairman: László Fodor

Inge van Gelder, Ernst Willingshofer, Liviu Mațenco, Dimitrios Sokoutis, Paul Andriessen, Ralf Schuster, Sierd Cloetingh: Interfering orogenic processes derived from AlCaPa-Adria interactions (**keynote talk**) (8:15-8:45)

Vesna Lesić, Emő Márton, Vesna Cvetkov, Violeta Gajić, Dragana Jovanović: Paleomagnetic evidence for CW rotation in the Western Vardar zone of Serbia (8:45-9:05)

Ferenc Horváth, Ferenc Visnovitz, Attila Balázs, Balázs Koroknai, Kádi Zoltán, Géza Wórum, and Tamás Tóth: Young strike-slip tectonics in the Pannonian basin: review of new seismic data and interpretations in Hungary (9:05-9:30)

Benjámín Jakab et al.: Mapping of neotectonic structures at the eastern shores of Lake Balaton using ultra-high resolution seismic profiles recorded in 2014 and 2016 (9:30-9:50)

Ferenc Visnovitz, B. Hegyi, Andrea Raveloson, Gábor Rozman, László Lenkey, Péter Kovács, A. Csontos, B. Heilig, Ferenc Horváth: The magnetic survey of Lake Balaton and its tectonic significance (9:50-10:10)

Tamás Biró, Emő Márton, Dávid Karátson, Mátyás Hencz: New paleomagnetic results on ignimbrites in the Mátra Mountains and Bükkalja Foreland Volcanic Area (10:10-10:30)

10:30-10:50 Coffee break and posters

Session 2 (10:50-12:00) Pannonian Basin from mantle to upper crust – interaction of plate tectonics, mantle dynamics (3)

Chairman: Frank Horváth

Cestmir Tomek: East Moesia continental subduction, slab extension, and the origin of intermediate earthquakes beneath Vrancea Mountains of Romania (**keynote talk**) (10h50-11h20)

[István Kovács](#), László Lenkey , David H. Green, Tamás Fancsik, György Falus, János Kiss, László Orosz, Zsuzsanna Viktor, J. Angyal: The role of amphibole in the dynamics and rheology of the lithosphere–asthenosphere system (11:20-11:40)

[László Aradi](#), Károly Hidas, István János Kovács, Csaba Szabó: Deformation and fluid-enhanced annealing in subcontinental lithospheric mantle beneath the Pannonian Basin (Styrian Basin, Eastern Austria) (11:40-12:00)

Session - open source for geologists (12:00-12:30)

Ondrej Lexa: [pypsbuilder](#) - THERMOCALC front-end for constructing PT pseudosections and isopleths diagrams

[APSG](#) – python module for interactive and reproducible analyses of orientation based geological data

12:30-13:50: Lunch break

Session 3: Connection between deformation and sedimentation (5) (13:50-15:30)

Chairman: Rastislav Vojtko

Krisztina Sebe: From post-rift phase to basin inversion – late-stage tectonic evolution of the Mecsek–Villány area, SW Hungary (13:50-14:10)

[Tamás Csibri](#), Samuel Rybár, Michal Kováč: Depositional environment of the Lower and Middle Miocene conglomerates in key wells of the northern Blatné depression (Danube Basin) (14:10-14:30)

[Michal Krobicki](#), T. Gałulski & G. Gorczyca: The early Late Cretaceous synsedimentary tectonic events in the Peri-Tethys region (Miechów Synclinorium and Silesian-Kraków Homocline, southern Poland) (14:30-14:50)

[Nevenka Djerić](#), Špela Goričan, Nataša Gerzina Spajić, Renata Jach, Daniela Rehakova: The use of biostratigraphic tools in dating the remnants of the Alpine Tethys (Danubian Nappes, eastern Serbia) (14:50-15:10)

[Éva Oravec](#), László Fodor, Szilvia Kövér: Significance of Jurassic early deformation structures in the SW-Bükk Mts. (15:10-15:30)

15:30-15:50 Coffee break and posters

Session 4: Paleomagnetism, fractures (6) (15:50-17:50)

Chairman: Prokop Zavada

František Hrouda, Josef Ježek, Stuart Gilder, Michael Wack: Different sensitivities of paramagnetic and ferromagnetic minerals to ductile deformation in Intra-Carpathian Palaeogene of the Skorušinské vrchy Hills (15:50-16:10)

Emő Márton, Jozef Madzin, Jana Bučová, Jacek Grabowski, Dušan Plašienka, Roman Aubrecht: New paleomagnetic results from Permian and Triassic rocks from the Hronic Nappe (Nízke Tatry) and Paleogene sediments from the Central Carpathian Paleogene Basin, Western Carpathians (16:10-16:30)

Kristina Kolářová, Jan Černý, Rostislav Melichar: Magnetic and structural studies of Křivoklát-Rokycany volcanic complex, Barrandian, Czechia (16:30-16:50)

Nováková Lucie, Schnabl Petr, Štěpančíková Petra, Křížková Martina: Microtectonic studies of the faults (16:50-17:10)

Jan Barmuta, Piotr Hadro, Krzysztof Dzwiniel: Determination of fracture distribution based on seismic attributes and geomechanical modelling (17:10-17:30)

Jan Juráček, Rostislav Melichar: Post-Variscan tectonics of central part of the Bohemian Cretaceous Basin (Czech Republic) (17:30-17:50)

17:50-19:00 Poster session

19:00 Wine tasting and dinner

Friday, 7th April, scientific day II.

Session 4: Metamorphism and deformation (6)(8:10 – 10:10)

Chairman: Marián Putiš

[Collett Stephen](#), Štípská Pavla, Soldner Jeremie, Anczkiewicz Robert, Schulmann K, Peřestý V, Lexa O, Kylander-Clark A, Hacker B: P-T-t-d evolution of Devonian eclogites in the Mariánské Lázně Complex (Bohemian Massif): 15–20 Ma from subduction to HT extensional exhumation (8:10-8:50)

[Vít Peřestý](#), Ondrej Lexa, Pavla Štípská, Petr Jeřábek, Martin Racek: Pre-Variscan rift-related structure and metamorphism in the Domažlice Crystalline Complex, (the Teplá-Barrandian Domain, Bohemian Massif) (8:50-9:10)

[Jedlička Radim](#), Faryad Shah Wali: Common metamorphic history shared by felsic and mafic granulite from Rychleby Mountains (Bohemian Massif) (9:10-9:30)

[Larikova Tatiana](#), Racek Martin: Formation of the complex symplectitic textures in the eclogites of the Moldanubian domain, the Bohemian massif (9:30-9:50)

Kryl Jakub, Jeřábek Petr, Lexa Ondrej: Distinct deformation microstructures related to deformation overprints identified in quartzo-feldspathic rocks of the Krušné hory Mountains (Erzgebirge) (9:50-10:10)

Racek Martin, Lexa Ondrej, Schulmann Karel, Corsini Michel, Štípská Pavla, Maierová Petra: Re-evaluation of polyphase kinematic and ⁴⁰Ar/³⁹Ar cooling history of Moldanubian hot nappe at the eastern margin of the Bohemian Massif (10:10-10:30)

10:10-10:30 Coffee break and posters

Session 5: Metamorphism, deformation, melt(2)(10:30-11:10)

Chairman: Ralf Schuster

[Pavλίna Hasalová](#), Pavla Štípská, Karel Schulmann and Alfonso Sola: Granulite migmatization and retrogression: result of pervasive melt influx (10:50-11:10)

[Prokop Závada](#), M. Racek, P. Hasalová, P. Jeřábek, K. Schulmann, R. F. Weinberg, P. Štípská and A. Roberts: Porous melt flow in high pressure felsic crust driving weakening and exhumation dynamics of subducted continents (11:10-11:30)

Session 6: Regional synthesis: examples worldwide (5) (11:10-12:50)

Chairman: Ondrej Lexa

[Andrzej Żelaźniewicz](#), Christopher Mark Fanning: Archean–Paleoproterozoic processes in Brunovistulia, the Upper Silesia Block, S Poland: a fragment of TTG-greenstone belt? (11:10-11:30)

[Paweł Aleksandrowski](#): The tectonics of Poland from base to top: new data and interpretations (11:30-11:50)

[Karel Schulmann](#), Ondrej Lexa, Min Sun, Vojtěch Janoušek, Alexandra Guy, Yingde Jiang, Pavla Štípska: Palaeozoic Asian continental growth: result of accretionary and collisional history (11:50-12:10)

[Rafał Sikora](#), Antoni Wójcik: Fold and thrust events on the SW margin of the Zavkhan terrane (Western Mongolia) - implications for accretionary history of the Central Asian Orogenic Belt (CAOB). (12:10-12:30)

[Hmidou EL Ouardi](#), Afaf Amine, Brahim Karaoui, Abdelkader Mahmoudi: Structural setting of the copper mineralizations of the Bouskour mining district in the Anti Atlas belt (Southern Morocco) (12:30-12:50)

12:50-14:10: Lunch and posters

Session 7 (14:10-16:40) Mid-Cretaceous tectono-metamorphic event: from microscale observations to correlation of basement nappes(7)

Chairman: Karel Schulmann

[Ralf Schuster](#), Martin Reiser, Manfred Linner, Júlia Dégi, Edit Király, Gerhard W. Mandl: Correlation of basement units from the Pannonian basin and surrounding areas based on lithological associations and the distribution of tectonometamorphic imprints (**keynote talk**) (14:10-14:40)

[Martin Reiser](#), RalfSchuster, GavrilSăbău, PeterTropper, BernhardFügenschuh: Timing and conditions of Alpine peak metamorphism in the Tisza and Dacia Mega-Units, Apuseni Mountains, Romania (14:40-15:00)

[Marián Putiš](#), Čestmír Tomek, Corina Ionescu, Pavol Siman, Zoltán Németh, Peter Ružička: Structure and white mica Ar-Ar ages of the Inner Western Carpathians Eo-Alpine orogeny segments: A correlation with Apuseni Mts. (15h00-15:20)

Edit Király, KálmánTörök, [JúliaDégi](#), ZsófiaKertész, RainerAbart: Garnet growth history in Kő-hegy gneiss (Sopron Mts, Hungary): combined FE-EPMA, micro-PIXE and LA-ICP-MS study (15:20-15:40)

Zoltán Németh, MariánPutiš, ĽubomírHraško: A sequence of geodynamic events producing repeated metallogeny and multi-generation mineral deposits in the W. Carpathians (15:40-16:00)

Rastislav Vojtko, Silvia Králiková, Paul Andriessen, Roberta Prokešová, Jozef Minár, Petr Jeřábek: Geological evolution of the western part of Southern Veporic Unit (Western Carpathians): based on fission track and morphotectonic data (16:00-16:20)

[Gábor Héja](#), Szilvia Kövér, János Csizmeg, Andras Németh, László Fodor: The deformation of the SW part of the Transdanubian Range (West Hungary), based on balanced cross-sections (16:20-16:40)

16:40-17:00 General Discussion, Concluding remarks, conference summary

17:00-17:15 Coffee break

17:15-19:00 Poster session

19:00 Conference dinner with live music and dance in the Main Building of the Villapark;

Radek Melka price,

Best student talk and poster price

POSTERS (29)

1. Carmen María Aguilar Gil, F. Chopin, C. Aguilar, K. Schulmann, P. Štípská, J.E. Martelat, P. Pitra: Rheology of high-pressure migmatites during lateral shortening and associated exhumation (Orlica-Šnieżnik Dome - Bohemian Massif)
2. Afaf AMINE and Hmidou EL OUARDI: Neotectonic studies at the South Rifian Ridges, Northern Morocco on the basis of GIS-based mapping
3. László Bereczki, Gábor Markos, Dénes Gärtner, Zoltán Frieid, Balázs Musitz, Gyula Maros: Structural modelling of the synrift sub-basins in the Pannonian Basin
4. Dariusz Botor: Tectono-thermal evolution of the Lower Paleozoic petroleum source rocks in the southern Lublin Trough (SW slope of the East European Craton, Poland): implications for shale gas exploration from maturity modeling.
5. Dariusz Botor, Dunkl István, Anczkiewicz Aneta, Tobała Tomasz, Jelonek Iwona: Thermal history of the Moravo-Silesian Lower Carboniferous Culm Basin in the Nížký Jeseník Mountains (NE Czech Republic - SW Poland)
6. Jan Černý, Melichar Rostislav: New methods for separation of inverse and normal AMS fabric components
7. Kristian Csicsay, Cipciar Andrej, Fojtikova Lucia, Jan Madaraš: Tectonic earthquakes on the territory of Slovakia localized by modernized National Network of Seismic Stations
8. Nataša Gerzina Spajić, Nevenka Djerić, Nikita Bragin & Liubov: Synthesis of data on stratigraphic and tectonic setting of the Eastern Vardar Zone in Serbia – open questions
9. Judit Horváth, Gábor Lajos Szujó, Gyula Konrád, Krisztina Sebe: 3D representation of fault zones in the Mecsek Mts., Hungary
10. Ervin Hrabovszki, Emese Tóth, Félix Schubert: A study of different vein types from the Boda Claystone Formation, Mecsek Mountains, SW Hungary
11. Petra Jašarová, Racek Martin, Jeřábek Petr: Metagabbros from western part of the Teplá-Barrandian Unit (Bohemian Massif) and its significance for evolution of the area
12. Mirosław Jastrzębski, Budzyń Bartosz, Żelaźniewicz Andrzej, Kozub-Budzyń Gabriela: Timing of granulite- and amphibolite facies metamorphism in the Góry Sowie Massif, the Sudetes
13. Gábor Katona: Preliminary analysis of heterogeneous fault slip systems in the Mexikó-völgy limestone quarry
14. Klučiar Tomáš, Kováč Michal, Vojtko Rastislav, Rybár Samuel, Šujan Michal, Králiková Silvia: Boundary between the Central Western Carpathians and Northern Pannonian Domain - The Hurbanovo-Diósjenő Fault
15. Szilvia Kövér, Hannah Pomella, Gyula Márky, Rastislav Milovsky, László Fodor: Magnetic fabric of fault breccia: Revealing the direction of nappe-stacking in the Inner Western Carpathians by AMS analyses
16. Krýza Ondřej, Závada Prokop, Lexa Ondrej, Schulmann Karel: Analogue modeling of oroclinal buckling and indentation tectonics - insights from quantitative analysis based on PIV method.
17. Kufraś Mateusz, Mikołajczak Mateusz, Mazur Stanisław, Krzywiec Piotr: Variscan thin-skinned deformation in the Lublin Basin (Poland) - results of gravity field analysis and cross-section balancing
18. Kusbach Vladimír, Janoušek Vojtěch, Machek Matěj: Geochemical modelling of orogenic peridotites from Bohemian Massif

19. Emő Márton, Jana Bučová, Jozef Madzin, Jacek Grabowski, Dušan Plašienka, Roman Aubrecht: Deformation as reflected in the AMS of some Triassic rocks from the Hronic Nappe, western Carpathians
20. Štefan Méres, Alexander Lačný, Dušan Plašienka and Rastislav Vojtko: Occurrence of three monazite age groups in the metamorphosed deep-marine sediments of the Dvorníky Formation (Turňa Unit, Western Carpathians) – preliminary results
21. Előd Mészáros, Kitti Décsei, Ágnes Fiser-Nagy, Félix Schubert: Deformation induced myrmekite formation during mylonitisation of the metapegmatoid rocks from the Dorozsma Complex (S Hungary)
22. Radmila Nahodilová, Pavlína Hasalová, Pavla Štípská: High pressure melting of orthogneiss in Kutná hora crystalline complex, Bohemian Massif
23. Papp Nikoletta, Varga Andrea, Raucsik Béla, Mészáros Előd: Characteristic microstructures and deformation of the Dorozsma marble, Tisza Mega-unit, South Hungary
24. Krisztina Sebe, István Dunkl, Gyula Konrád, Agnieszka Anczkiewicz Aneta: Thermochronological evidence on the Alpine exhumation events in Tisza Unit – cooling history of Mecsek Mountains, Hungary
25. Pavla Štípská, Pavlína Hasalová, Roger Powell, Prokop Závada, Martin Racek, Radmila Nahodilová: HP melting of granitic orthogneiss (Snieznik dome, Bohemian Massif)
26. Marta Tomaszczyk, Paweł Aleksandrowski, Janusz Badura, Bogusław Przybylski: Young tectonic features of Lower Silesia (SE Poland) revealed with morphometric methods applied to LIDAR-based DEM: preliminary results
27. Twyrdy Maksymilian, Bełka Zdzisław: Contrasting geochemical and isotopic characteristics of two groups of metabasites from the NE Bohemian Massif (Sudetes, Poland): new insight into the opening of the Rheic Ocean
28. Rastislav Vojtko, Emő Márton, Antek K. Tokarski, Radovan Pipík, Silvia Králiková, Ania Świerczewska, Tomáš Klučiar: Late Miocene to Quaternary tectonic evolution of the Turiec Basin (Western Carpathians)
29. Prokop Závada, Martin Racek, Pavlína Hasalová, Pavla Štípská, Petr Jeřábek, Karel Schulmann, Bradley R. Hacker, Robert Holder, Andrew Kylander-Clark, Roberto F. Weinberg: Percolating melt fingerprint in coupled age and geochemistry of monazites acquired during HP metamorphism in subducted continental crust

Saturday, 8th April, post-conference “field trip”

Post-conference field trip will be held in the Conference venue. Starting time: 9:00

Location Conference room at guesthouse 5.

Petrology and structural evolution of the metamorphic basement of the Pannonian Basin

Tivadar M. Tóth, Ágnes Fiser-Nagy, Félix, Schubert

University of Szeged, Department of Mineralogy, Geochemistry and Petrology

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



UNICAM
www.unicam.hu

