

CETEG 2011 MEETING – SKALSKÝ DVŮR, CZECH REPUBLIC

FRIDAY APRIL 15 – MORNING SESSIONS

RECENT ADVANCES IN EUROPEAN VARISCIDES

Chair: Jiří Konopásek

09:00-09:30 Keynote	Karel Schulmann , Jean-Bernard Edel, Ondrej Lexa, Vojtěch Janoušek, Robin Shail, Brian Leveridge & Richard Scrivener Are Rhenohercynian divergent and convergent processes a motor of burial and exhumation processes in the Bohemian Massif?
09:30-09:45	*Etienne Skrzypek , Anne-Sophie Tabaud, Jean-Bernard Edel, Karel Schulmann, Alain Cocherie, Catherine Guerrot & Philippe Rossi The origin of Late Devonian oceanic basins in the Variscan belt of Europe: a record from the Vosges Klippen Belt
09:45-10:00	Jana Kotková , Patrick J. O'Brien & Martin A. Ziemann Diamond and coesite in Bohemian granulites
10:00-10:15	Petra Maierová , Ondrej Lexa , Ondřej Čadek & Karel Schulmann Numerical model of crustal indentation: Application to the Variscan evolution of the Bohemian Massif
10:15-10:30	Martin Racek , Karel Schulmann, Ondrej Lexa, Pavla Štípská, Michel Corsini, Jan Košler, Urs Schaltegger, Pavlína Hasalová & Alexandra Guy Crustal structure of mid-crustal channel flow: example from east European Variscides, the Bohemian Massif

COFFEE BREAK (30 MIN)

11:00-11:15	Jérémie Lehmann , Karel Schulmann, Jean-Bernard Edel, František Hrouda, Josef Ježek, Ondrej Lexa, Francis Chopin, Pavla Štípská & Jakub Haloda Structural and AMS records of granitoid sheets emplacement during growth of continental gneiss dome
11:15-11:30	Pavla Štípská , Francis Chopin, Etienne Skrzypek, Karel Schulmann, Ondrej Lexa, Pavel Pitra, Jean-Emmanuel Martelat, C. Bollinger The role of large-scale folding and erosion on juxtaposition of eclogite and mid-crustal rocks (Orlica-Śnieżnik dome, Bohemian Massif)

GEOFYSICS IN TECTONIC STUDIES

Chair: Karel Schulmann

11:30-12:00 Keynote	Jean Bernard Edel & Karel Schulmann Structure and evolution of the Variscan belt during Carboniferous times derived from gravimetric, magnetic and paleomagnetic data
12:00-12:15	Jan Golonka & Aleksandra Gawęda Plate tectonic evolution of the southern margin of Laurussia in the Paleozoic
12:15-12:30	František Hrouda , Shah Wali Faryad & Marta Chlupáčová Inhomogeneous changes in magnetic fabric during retrogressive metamorphism of eclogites in the Mariánské Lázně complex (West Bohemia, Czech Republic)

LUNCH (1:30 HOUR)

FRIDAY APRIL 15 – AFTERNOON SESSIONS

REACTION AND DEFORMATION RELATED MICROSTRUCTURES

Chair: Petr Jeřábek

14:00-14:30 Keynote	Rainer Abart Reacting rocks deform - deforming rocks react: examples from experiment and nature
14:30-14:45	Jiří Konopásek & Mark J. Caddick The influence of intracrystalline diffusion and partial resorption of garnet on the reproducibility of metamorphic pressure-temperature paths
14:45-15:00	Lucie Tajčmanová , Rainer Abart, Richard Wirth & Dieter Rhede Intracrystal microtextures in alkali feldspars from fluid deficient felsic granulites: a chemical and TEM study
15:00-15:15	* Matěj Peč , Holger Stünitz & Renée Heilbronner Semi-brittle deformation in shear experiments at elevated pressures and temperatures: Implications for crustal strength profiles
15:15-15:30	* Martin Michálek & Marián Putiš Microstructures and P-T estimates of a Meta-peridotite from the exhumed hot crust-mantle fragments in a Variscan shear zone (the North-Veporic basement, Western Carpathians)

COFFEE BREAK (30 MIN)

GEOCHEMISTRY AND GEOCHRONOLOGY

Chair: Andrzej Żelaźniewicz

16:00-16:15	Pavel Uher , Milan Kohút & Marian Putiš Hercynian dioritic rocks of the Western Carpathians: tracers of crustal – mantle interactions
16:15-16:30	Jan Košler , Jiří Konopásek, Jiří Sláma, Stanislav Vrána, Martin Racek & Martin Svojtka U-Pb zircon provenance of Moldanubian metasediments in the Bohemian Massif
16:30-16:45	Kerstin Drost , Jan Košler, Jiří Konopásek, & Hege Fonneland Jørgensen LA-ICP-MS U-Pb zircon dating of igneous, epiclastic and sedimentary rocks of the Jílové zone and the Davle formation (Teplá-Barrandian unit, Bohemian Massif, Czech Republic)
16:45-17:00	Mirosław Jastrzębski , Jarosław Majka, Mentor Murtezi, Andrzej Żelaźniewicz & Ilya Paderin Volcano-sedimentary series from the Sudetes Mts.: Discordant geochronological record from two sides of the Nýznerov thrust

POSTER SESSION 1 (2 HOURS)

19:00 DINNER

SATURDAY APRIL 16 – MORNING SESSIONS

STRUCTURAL EVOLUTION OF THE ALPINE-CARPATHIAN OROGENIC BELT

Chair: Pawel Aleksandrowski

09:00-09:15	Dušan Plašienka Dating of major tectonic events in a complex upper crustal suture/wrench zone (Pieniny Klippen Belt, Western Carpathians)
09:15-09:30	František Marko Tectonic stress field evolution and map-scale faulting at the northern margin of the Danube basin, Slovakia (Western Carpathians)
09:30-09:45	Witold Zuchiewicz, Antoni K. Tokarski & Anna Świerczewska First site of Holocene faults in the Outer Western Carpathians of Poland
09:45-10:00	*Andreas Beidinger, Kurt Decker, Andras Zamolyi & Eun Young Lee Paleogene to Neogene kinematics of the Outer West Carpathian fold-and-thrust belt and Miocene strike-slip faulting at the front of the Magura superunit (Slovakia and Czech Republic)
10:00-10:15	Marta Rauch Analogue modeling of the tectonic evolution of polish Outer Carpathians – influence of indenter shape

COFFEE BREAK (30 MIN)

10:45-11:00	Milan Kohút, Martin Danišík & Pavel Uher The Rochovce granite – witness of the Alpine tectonic processes in the Western Carpathians
11:00-11:15	*Zita Bukovská, Petr Jeřábek, Ondrej Lexa & Marián Janák Structural characterization of eastern part of the separation zone between the Gemer and Vepor units in the West Carpathians

MISCELLANEOUS

Chair: Ondrej Lexa

11:15-11:30	Shah Wali Faryad, Petr Jeřábek, Mahmoud Rahmati-Ilkhchi & František Holub Metamorphism and tectonics of the central Iranian basement and their relation to closure of the Tethyan oceanic tracts
11:30-11:45	Vojtěch Janoušek, Axel Gerdes, Jiří Žák, Igor Soejono, Zdeněk Venera & Ondrej Lexa Nature and tectonic setting of Jurassic felsic igneous activity in the Victory glacier area (Graham Land, Antarctic Peninsula)
11:45-12:00	Andrzej Żelaźniewicz, Tran Trong Hoa & Alexander N. Larionov Timing of tectonothermal events in walls of the Red River Fault Zone, NW Vietnam
12:00-12:15	Vyacheslav Voitenko & Igor Khlebalin The finite strain estimation method, based on fibrous quartz orientation in pressure shadows around rigid inclusions in Upper Triassic siltstone

LUNCH (2 HOUR)

SATURDAY APRIL 16 - AFTERNOON SESSIONS

BASIN ANALYSIS

Chair: Lenka Špičáková

14:00-14:30 Keynote	David Uličný , Michal Rajchl, Radomír Grygar & Lenka Špičáková Roles of structural inheritance and palaeostress regime in the evolution of the Cenozoic Eger Graben, Bohemia
14:30-14:45	Juraj Franců , Lada Navrátilová, Philipp Weniger, Jan Šafanda, Petr Waclawik & Rostislav Melichar Thermal and erosional history calibrated by vitrinite reflectance - comparison of LAZY, CSM, and Staříč profiles in the Upper Silesian Basin
14:45-15:00	Norbert Németh Possible soft-sediment deformation features of the Jurassic slope and basin facies rocks in the SW part of the Bükk Mts.
15:00-15:15	*Clemens Porpaczy , Dana Homolová & Kurt Decker Slip history of the Hluboká fault derived from structural data and 3D modelling of the Budějovice Basin
15:15-15:30	*Dana Homolová , Johanna Lomax & Kurt Decker Reconstructing Pleistocene river terrace formation in the Budejovice Basin (Czech Republic) using field and borehole data in combination with OSL-dating

COFFEE BREAK (30 MIN)

ANALYSIS OF FAULTS, FRACTURES AND JOINTS

Chair: Rastislav Vojtko

16:00-16:15	*Martin Staněk , Stanislav Ulrich & Yves Geraud Fracturing and alteration effects on petrophysical properties of granite: case study in the Melechov massif, Czech Republic
16:15-16:30	*Krzysztof Gaidzik & Jerzy Żaba Fractal dimension of lineaments network in the Iżera-Karkonosze block (SW Poland)
16:30-16:45	Ivana Pešková , Jozef Hók & Alexandra Sklenková-Hlavnová The integration of the brittle structures analysis, river terraces asymmetry and travitronics – an approach to detect the Quaternary tectonics (Liptov region, Western Carpathians)
16:45-17:00	Petr Špaček , Ivan Prachař, Jan Valenta, Petra Štěpančíková, Jan Piskač & Jan Švancara Hluboká fault: repeatedly degraded fault scarp rather than active tectonic slip

POSTER SESSION 2 (2 HOURS)

19:00 THE CONFERENCE DINNER, PRIZES AND ...SOME DANCING
