

Programme of the 5th CETeG and 12th CTS meeting

CzechTec 07

Teplá Abbey

8.50 – Introductory address of organisers

Day 1 – Variscan geology of the Bohemian Massif

Session: Tectonics – from supra to deep infrastructure

9.00 – 9.20 **Stanislaw Mazur**, P. Alexandrowski, K. Mastalerz, A. Górecká-Nowak, K. Turniak, L. Kurowski, L. Krzemiński, P. Krzywiec, A. Zelaźniewicz, M.C. Fanning
The Carboniferous clastic succession of SW Poland: a deformed fill of Variscan foreland basin

9.20 – 9.40 **Michaela Halavínová**, M. Slobodník
Determination of fluid systems linked with Variscan structure of the Prague Synform (Barrandien Area)

9.40 – 10.00 **Karel Schulmann**, O. Lexa, P. Štípská
Vertical extrusion and horizontal spreading of orogenic lower crust: a key exhumation mechanism in large hot orogens

10.00 – 10.20 **Ondrej Lexa**
Coupling between multiple magmatic fabrics of the Třebíč syenit and exhumation of orogenic lower crust

10.20 – 10.40 **Libor Nosál**, S. Ulrich
Deciphering mantle-related strain history in the strongly serpentized Mohelno peridotite

10.40 – 11.20 Coffee break

Session: Geochemistry, fluids and geochronology

11.20 – 11.40 **Vojtěch Janoušek**, E. Krenn, F. Finger, J. Míková, J. Frýda
Potassic granulites from the Blanský les Massif (Moldanubian Zone, Bohemian Massif)

11.40 – 12.00 **Jiří Sláma**, J. Košler, R.B. Pedersen
Behaviour of zircon in high-grade metamorphic rocks - evidence from Hf isotopes, trace elements and textural studies

12.00 – 12.20 **Andreas Mayer**, A. Gerdes, V. Janoušek, V. Erban, B. Starijas, F. Finger
The metabasite bodies of the moldanubian zone in lower Austria: geochemistry and zircon ages

12.20 – 12.40 **Pavel Pitra**, P. Boulvais
Wagnerite – an indicator of shear-zone-related long-term fluid-rock interactions (an example from a cordierite-gedrite gneiss, Ile d'Yeu, Armorican Massif, France)

12.40 – 14.00 Lunch

Session: Petrology of deep seated rocks and their interactions

14.00 – 14.20 **Shah Wali Faryad**, M. Machek, R. Nahodilová
In-situ or tectonic origin of garnet peridotite, eclogite and granulite of the Běstvína unit at Kutná Hora (Bohemian massif)

14.20 – 14.40 **František Hrouda**, P. Jeřábek, M. Chlupáčová, S. W. Faryad
Magnetic fabric relationship between an ultrabasic body and surrounding granulites in a quarry near the village of Bory (Moldanubian zone of Western Moravia)

14.40 – 15.00 **Eliška Žáčková**, J. Konopásek, P. Jeřábek, Shah Wali Faryad
Blueschist-facies metamorphism in metasediments of the Krkonoše-Jizera complex (Western Sudetes, northern Bohemian Massif)

15.00 – 15.20 **Martin Racek**, P. Štípská, R. Powell
Garnet-clinopyroxene intermediate granulites in the st. Leonhard massif of the Bohemian massif: ultrahigh temperature metamorphism at high pressure?

15.20 – 15.40 **Pavla Štípská**, K. Schulmann
Deciphering prograde paths from migmatites and implications for exhumation models

16.00 – 16.45 Guided tour of historical parts of [The Premonstratensian Abbey](#)

16.45 – 19.00 Posters and Coffee/Beer Break

19.00 – Dinner

21.00 – Organ concert in the Teplá Abbey church

Day 2 – Geodynamics of Carpathian belt

Carpathian tectonics

9.00 – 9.20 **Marta Rauch-Wlodarska**

Characteristics of tectonic shortening in the Silesian nappe (Western Outer Carpathians, South Poland)

9.20 – 9.40 **Ivana Pešková**, R. Vojtko, D. Starek, L. Sliva

Late Eocene to Quaternary deformation and stress field evolution of the Orava region (Western Carpathians)

9.40 – 10.00 **Matthias Tischler**, H.R. Groger, B. Fugenschuh, L. Matenco, S.M. Schmid

Cenozoic tectonic history of the Marmures area: soft collision of Tisza-Dacia with the European margin

10.00 – 10.20 **Rastislav Milovský**, J. Hoefs, J. Král, V. Hurai, W. A. Frank

Fluid involvement in thrusting of some West-Carpathian thin-skinned nappes

10.20 – 10.40 **Markéta Kernstocková**, R. Melichar

Limits of numerical paleostress analysis

10.40 – 11.20 Coffee break

Petrology and geochronology/geochemistry

11. 20 – 11.40 **Milan Kohút**, U. Poller, W. Todt, P. Konečný

Detrital zircon and monazite dating: useful tool for tracking pan-African orogeny remnants in the Western Carpathians

11.40 – 12.00 **Tomáš Mikuš**, M. Janák, J. Spišiak,

Retrograded eclogites from the Ďumbier crystalline complex, Western Carpathians

12.00 – 12.20 **Petr Jeřábek**, M. Janák, Shah Wali Faryad

Low-pressure/high-temperature metamorphism of Permian age in the Vepor Unit, West Carpathians

12.20 – 13.40 Lunch

Geophysics

- 13.40 – 14.00 **Jiří Sedlák**, I. Gnojek, S. Zabadal, Z. Krejčí
Žďárské vrchy and moldanubian unit in new geophysical maps
- 14.00 – 14.20 **Falk Weinlich**, E. Faber, A. Boušková, T. Fischer, J. Horálek, M. Teschner, J. Poggenburg
Gas monitoring in the Nový Kostel swarm quake region, NW Bohemian, Czech Republic 2004-2007
- 14.20 – 14.40 **Petr Špaček**, A. Embey-Isztin, P. Týcová, G. Dobosi
Deformation and seismic properties of lherzolite and granulite xenoliths from NE Pannonian basin (Bákony-Balaton Hills and Little Hungarian Plain)
- 14.40 – 15.00 **Jan Mrlina**, H. Kampf, W. H. Geissler, A. Hemmann
Potential maar-diatreme volcano of Mýtina, western Ohře/Eger Graben, Czech Republic: combined geophysical, geological, petrographical and petrochemical investigations

15.00 – 15.40 Coffee break

Structural Miscelleneous

- 15.40 – 16.00 **Jiří Konopásek**, J. Košler, L. Tajčmanová, S. Ulrich, Shawn L. Kitt
Neoproterozoic granulite-facies metamorphism and igneous activity in the western park of the Kaoko belt, NW Namibia
- 16.00 – 16.20 **Mahmoud Rahmati Ilkhchi**, Shah Wali Faryad, P. Jeřábek, J. Košler
Origin and exhumation of the Shotur Kuh core Complex
- 16.20 – 16.40 **Matěj Machek**, P. Špaček, D. Mainprice, S. Ulrich, O. Lexa
Permeability and microporosity preferred orientation relation with microstructure in three granite types
- 16.40 – 17.00 **Ralf Schunk**, A. Peterek, C.D. Reuther
Neotectonic activity in the area of the Cheb Basin and along the Mariánské Lázně Fault, Czech Republic
- 17.00 – 17.20 **Jurand Wojewoda**
Palaeogeography and tectonic evolution of the Žernov-Nachod-Kudowa sedimentary
- 17.20 – 17.40 **Jiří Laurin**
Record of sea-level change in hemipelagic strata: insights from 2D numerical
- 19.00 – Announcement of Awards Winners followed by Gala Dinner**
- 21.00 – Conference Party with concert of Bengas gypsy formation followed by DJ Petr J.**