

State of geomorphological research in 2018

April 25-27, 2018, Vílanec, Czech Republic
49.3329583N, 15.5777169E

The forthcoming 18th annual conference of the Czech Association of Geomorphologists will be held in the heart of the Czech Republic in close vicinity of the Vysočina Geopark which is spread out in the landscape of the Bohemian-Moravian Highland.

Contributions both from basic and applied research in the field of geomorphology and related disciplines are welcomed. We hope the conference will become an inspiring event through exchanging ideas, knowledge and connecting people.

Wednesday, April 25, 2018

Registration of participants

Keynote lectures

Meeting of the Czech Association of Geomorphologists

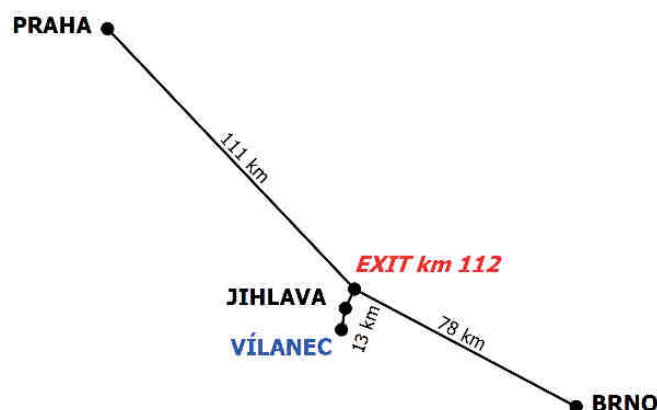
Thursday, April 26, 2018

Presentations

Festive dinner

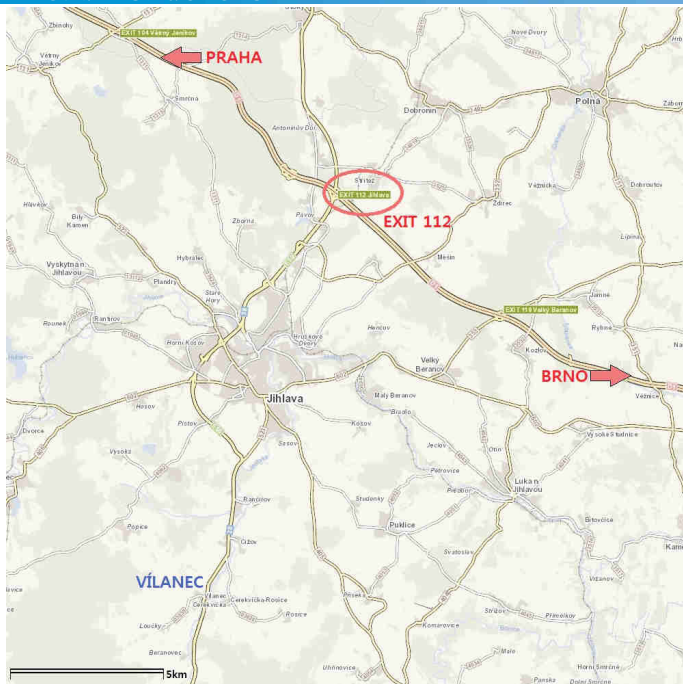
Friday, April 27, 2018

Excursion



3RD ANNOUNCEMENT

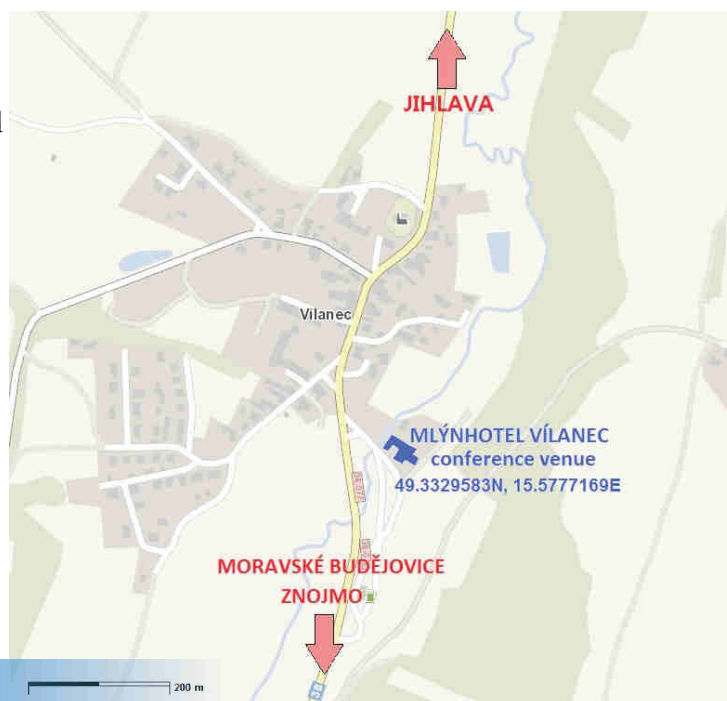
Road instructions



from Brno: highway D1, exit 112 to Jihlava/Wien

from Prague: highway D1, exit 112 to Jihlava/Havl. Brod

Then continue (15 km) onto Route 38 to Vılanec.



Conference venue:

The conference will take place in the Mlýnhotel resort in Vılanec close to town of Jihlava (Czech Republic) (<http://www.mlynhotel.cz/en/>) with good access from D1 Prague Brno highway. Accommodation and meals have been arranged directly in the Mlýnhotel resort; no transfer to other facilities is required. Accommodation and meals are paid individually after arrival. Hotel offers single, double, 3beds and 4beds rooms. **Hotel prefers payment in cash.**

Prices accommodation (incl. breakfast)

Single room: 630 CZK person/night

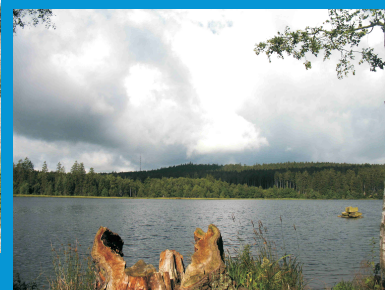
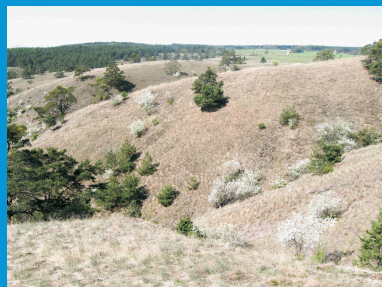
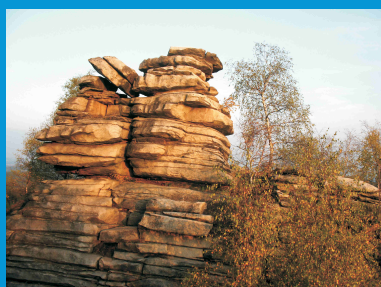
Double, 3beds, 4beds room: 540 CZK person/night

Double room occupied by one person: 810 CZK person/night

Prices meals

Lunch: 150 CZK

Supper: 145 CZK



CONFERENCE PROGRAMME

Wednesday, 25th April

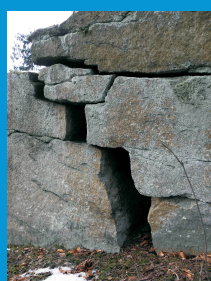
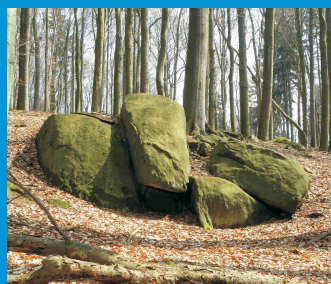
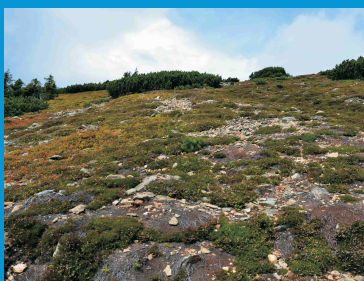
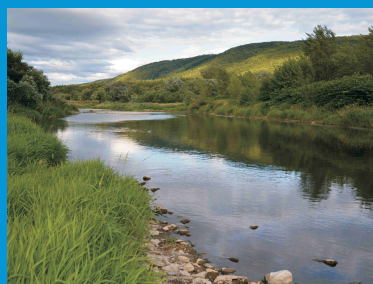
- 10:00 - 13:00 Arrival and registration of participants
12:00 - 13:30 **Lunch**
14:00 - 14:05 Opening of the conference
14:05 - 14:15 Commemoration of former CAG members
14:15 - 14:30 Student Award announcement of excellent student thesis winners

Key note lectures

- 14:30 - 15:00 Piotr **Migoń**
Recognizing landforms of international significance
15:00 - 15:30 Petra **Štěpančíková** & alii
Quaternary tectonic activity on the Mariánské Lázně fault (Cheb Basin, West Bohemia) as revealed by 3D trenching and geophysical survey
15:30 - 16:00 Karel **Šilhán**
Dendrogeomorphic analysis of natural hazards
16:00 - 16:30 **Coffee break**

1st oral presentations session, 16:30 - 18:00

- 16:30 - 16:45 Jan Blahůt, Jan Klimeš, Matt Rowberry, Michal Kusák, Jan Kalina
Database of giant landslides from volcanic islands - first results
16:45 - 17:00 Szabolcs Ákos Fábián, Edina Józsa
Hidden periglacial landforms of Transdanubia, Hungary
17:00 - 17:15 Tomáš Uxa, Marek Křížek, David Krause
Palaeo-temperature reconstructed from relict sorted patterned ground in the Krkonoše Mts.
17:15 - 17:30 Jiří Starý
Carstification possibilities in the transitional facies of the bohemian cretaceous basin - evaluation of existig researches
17:30 - 17:45 Botond Buró, József Lóki, György Sipos, Bence Andrási, Attila Jakab, Enikő Félegyházi, Mihály Molnár, Gábor Négyesi
Investigation of the periods of sand movement with different dating methods in the Nyírség, Hungary
17:45 - 18:00 Gábor Négyesi, László Pásztor, Gábor Négyesi, Annamária Laborczi, Tamás Kovács, Zita Bihari
Integrated spatial assessment of wind erosion risk in Hungary
18:30 - 19:30 **Dinner**
20:00 - 21:00 Plenary session of CAG (members only)

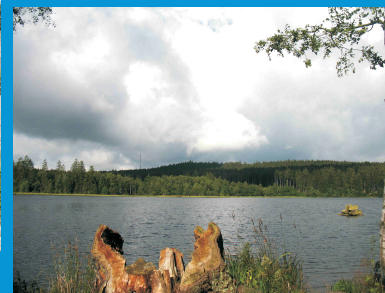
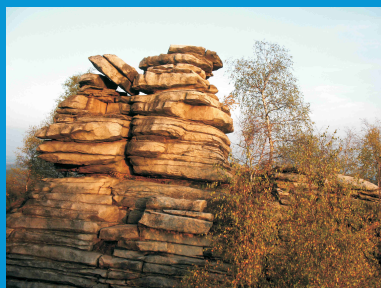


2nd oral presentations session, 8:30 - 10:15

- 8:30 - 8:45 Piotr Migoń, Kacper Jancewicz, Milena Różycka, Mariusz Szymanowski
Morphotectonics of the Sowie Mountains block, SW Poland, revisited - insights from LiDAR DEM
- 8:45 - 9:00 Filip Hartvich, Jan Blahůt, Petr Tábořík and Michal Kusák
Structural, tectonic and geodynamic environment of Litoměřice thermal energy borehole
- 9:00 - 9:15 Jan Juráček
Transpressional base of the cuesta morphotectonics in eastern part of the Bohemian Plateau (Czechia)
- 9:15 - 9:30 Petr Tábořík, Radek Klanica, Petra Štěpančíková, Filip Hartvich, Světlana Kováčiková
Investigations of tectonic-related landforms by depth range ERT and audio-magnetotelluric survey
- 9:30 - 9:45 Lucie Kubalíková, Aleš Bajér
Urban geotourism promoting geoheritage within towns and cities
- 9:45 - 10:00 Václav Škarpich, Tomáš Galia, Tereza Macurová, Stanislav Ruman, Jan Hradecký
Possibilities for sustainability of the multiple-thread Morávka River channel in the Skalická Morávka National Nature Monument
- 10:00 - 10:15 Jan Lenart, Kristýna Schuchová
Recent progress in geomorphological applications in montane tourism
- 10:15 - 10:45 **Coffee break**

3rd oral presentations session, 10:45 - 12:30

- 10:45 - 11:00 Jan Klimeš
Slope deformation map around the highway D8 between villages Dobkovičky and Prackovice nad Labem - updated for April 2016
- 11:00 - 11:15 Vladimír Chalupa, Tomáš Pánek, Filip Hartvich, Petr Tábořík, Jan Klimeš, Radomír Grygar
Deep-seated gravitational slope deformations controlled by the structure of flysch nappe outlier: insights from large scale electrical resistivity tomography survey and LiDAR mapping
- 11:15 - 11:30 Gabriel Jonathan Amissah, Tímea Kiss
The effect of point-bar formation and bank erosion on the morphology of the Lower Tisza River, Hungary
- 11:30 - 11:45 László Bertalan, Jesús Rodrigo-Comino, Nicola Surian, Monika Šulc Michalková, Gergely Szabó
Complex assessment of channel changes and bank erosion hazard on the Sajó (Slaná) River, Hungary
- 11:45 - 12:00 Ján Babej, Zdeněk Máčka, Petr Halas, Karel Brabec
How the nutrient contents vary among habitats in gravel-bed rivers?
- 12:00 - 12:15 Judit Nagy, Tímea Kiss, István Fehérvári
The role of invasive species in increasing riparian vegetation density and their effect on flooding (Middle and Lower Tisza River and Maros River, Hungary)
- 12:15 - 12:30 Tomáš Galia, Václav Škarpich, Radek Tichavský, Leonidas Vardakas, Karel Šilhán
Parameters, longitudinal distribution and dynamics of large wood in a mediterranean ephemeral stream
- 12:30 - 14:00 **Lunch**



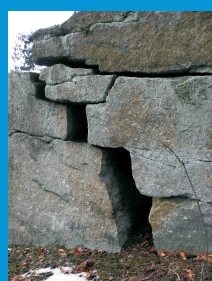
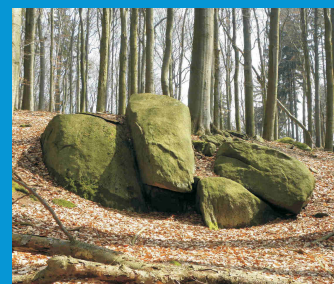
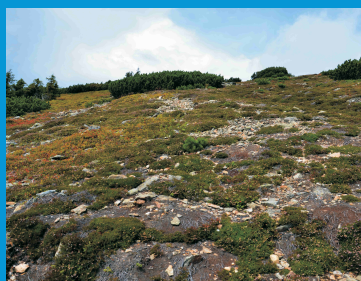
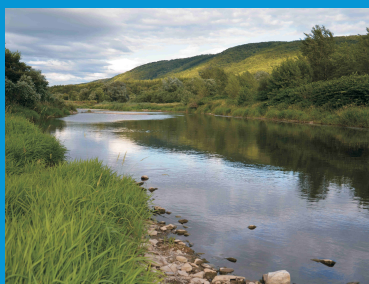
4th oral presentations session, 14:00 - 15:15

- 14:00 - 14:15 Martin Caletka
Delineating flood extents without hydrodynamics - yes or no?
- 14:15 - 14:30 Ondřej Kinc
Large wood budget and transport in the Dyje River corridor
- 14:30 - 14:45 Jozef Dudžák, Milan Lehotský, Miloš Rusnák
Assessment of dynamics in recent development of a single-thread gravel-bed river (case study of the Poprad River in foreland of the High Tatras Mts.)
- 14:45 - 15:00 Radek Tichavský
Traces of increased hydrogeomorphic activity in the Eastern Sudetes during the period 2007-2014
- 15:00 - 15:15 Lenka Tlapáková, Tomáš Pánek
River terraces in the forested headwater catchment of Černá Ostravice River
- 15:15 - 15:30 **Coffee break**

Poster session, 15:30 - 18:00

- Tereza Dlabáčková: *Temporal changes of debris flows tracks in the Roháčská Valley, Western Tatra Mts.*
- Bernadett Dobre, Titusz Bugya, István Péter Kovács: *Precision of landslide monitoring tools: A case study of Dunaszekcső, Southern Transdanubia*
- Magdalena Drążczyk, Zbigniew Rdzany: *The ice-contact environment of the Kutno Moraines near Sławoszew, north-central Poland*
- Václav Duffek, Pavel Mentlík: *Preliminary morphochronology of two glacial sites at the Bohemian Forest (Bavarian part)*
- Małgorzata Frydrych: *The problem of identifying eskers and their morphology in Central Poland*
- Kacper Jancewicz, Wioleta Kotwicka, Filip Duszyński, Marek Kasprzak: *Reconstruction and digital modeling of rockfall event within a forested slope a case-study from Bystrzyckie Mts. (Central Sudetes, Poland)*
- Titanilla Kertész, Virág Gergely, Mihály Molnár, Botond Buró: *C-14 dating of biospheroids - new perspective for soil age determination*
- Karel Kirchner, Lucie Kubalíková, František Kuda, Ivo Machar: *Secondary geodiversity and cultural heritage on examples from the archdiocese of Olomouc*
- David Krause, Marek Křížek: *Detection of valley heads from digital elevation models*
- Lucie Kubalíková, Aleš Bajer: *Local geoheritage: its potential for geotourism and educational purposes (case study: Lomnicko and Deblínsko, south Moravia, Czech Republic)*
- Michal Kusák: *Renyi multifractal dimension of drainage pattern (Blue Nile Basin, Ethiopia): A new method of morphostructural analysis?*
- Tereza Macurová, Václav Škarpich, Tomáš Galia, Stanislav Ruman, Jan Hradecký: *Gravel-bar dynamics of the protected multiple-thread reach of the Morávka river*
- Bernadett Markovics, Gábor Varga: *Geomorphic surfaces on the slopes of the Pécs basin*
- Tereza Matušková: *Fine wood mobility in the Sučí Stream*
- Gábor Nagy, József Dezső, Szabolcs Czigány: *Influence of evaporation on soil moisture variability in multi layered floodplain soils*
- Lenka Ondráčková, Václav Paleček, Radim Stuchlík: *Utilization of laser scanning and RPAS for 3D modeling of landforms*
- Artur Radecki-Pawlik, Karol Plesinski, Jochan Aberle: *Changes of hydrodynamics conditions in the braided river*
- Pavel Roštinský, Jaroslav Šmerda, Eva Nováková: *Coarse clastic deposits in the Bohemian Massif-Carpathian Foredeep contact area south of Znojmo (Czech Republic - Austria): recent changes in the regional paleogeography*
- Miloš Rusnák, Anna Kidová, Ján Sládek: *UAV technology for landscape classification and mapping*
- Václav Stacke, Klára Vočadlova: *Streams and Lakes of Nelson Island, South Shetland Islands, Antarctica*
- Andrzej Traczyk: *Geomorphometry and postglacial evolution of the Pelcznica Valley gorge (Wałbrzych Upland, Sudetes)*
- Petr Vybrál, Ondřej Ulrich, Vilém Spálovský, Lenka Ondráčková: *Reducing flash flood hazards in small basins using open-source GIS analysis*

19:00 **Festive dinner**



Excursion is organized by own cars of participants.

List of excursion localities:

- 1) Roštejn castle look-out tower: overview of the Geopark Vysočina landforms 49°15'08.339"N, 15°25'34.202"E
- 2) Geological exposition near Roštejn game park: introduction to regional geology and petrography 49°14'54.003"N, 15°25'30.716"E
- 3) Kaliště: stonemason company, demonstration of stone cutting and polishing 49°14'48.258"N, 15°17'38.221"E
- 4) Natural reserve Štamberk and stone fields: rock formations, boulder fields and streams, remnants of stone mining 49°12'35.792"N, 15°22'56.983"E
- 5) Pařezitý rybník and Michova skála: medieval pond with surrounding wetlands, rock formations 49°13'44.961"N, 15°22'55.962"E



Contact e-mail: geomorph2018@sci.muni.cz

Conference website: <http://geogr.muni.cz/state-of-geomorphological-research-in-2018>

