

Curriculum vitae

Personal data:

name: Mgr. Jiří Rez, Ph.D.

sex: male

born: 21.9.1979, Brno, Czech Republic

present address: Osvobození 2, 69704, Adamov, Czech Republic

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Education:

1998-2003 Department of Geological Sciences, Faculty of Science, Masaryk University, Brno, Czech Republic, Master of Arts degree;

Diploma thesis: *Structural analysis of the Southern part of the Moravian Karst* (Czech Republic). Finals from: *Regional geology of the Bohemian massif and Western Carpathians; Structural geology; Magmatic and metamorphic geology; Soil mechanics; Foundation engineering*

2003-2011 Ph.D. at Department of Geological Sciences, Faculty of Science, Masaryk University, Brno, Czech Republic. PhD thesis: *Structural history of the southern part of the Moravian Karst*. Finals from: *Regional geology of the Bohemian massif and Western Carpathians; Structural geology*.

Employment history:

May 2005 – June 2007 - Department of Geological Sciences, Faculty of Science, Masaryk University, Brno, Czech Republic; lecturing: structural geology, stratigraphy, research: structural geology, sedimentology

August 2007 – present - Moravské Naftové Doly, Hodonín, Czech Republic; seismic interpretation, well log interpretation, structural modeling, well-site supervision

Spoken languages:

English, German

Software knowledge:

MS Office, AutoCad, 3D Studio Max, Corel, Delphi, Schlumberger Petrel

Scientific interests:

- Tectonics of the Variscan, pre-flysch basement of the Rheno-Hercynian accretion wedge in Moravia (Czech Republic; regional research)
- Paleostress analysis based on calcite twinning (methodological research, software development)

Academic activities:

- Lectures on Structural geology, Palacký Univerzity, Olomouc, Czech Republic

Selected publications:

Rez J., Melichar R. (2002): 3D tectonics of the Devonian Rocks near the Adamov Town. — Proceedings of the 7th Meeting of the Czech Tectonic Studies Group, Zelazno, Poland. Geolines, vol. 14, 79–80. Prague.

Rez J., Melichar R. (2003): Outline of the 3D Structure in the Mokra Quarries. — Proceedings of 1st Meeting of the Central European Tectonic Group, Hrubá Skála Chateau, Czech Republic. Geolines, vol. 16, 90–91. Prague.

Rez J., Melichar R., Poelt S., Mitsche S. (2005): Calcite twinning inversion using OIM (EBSD) data. - Proceedings of 3rd Meeting of the Central European Tectonic Group, Felsőtárkány, Hungary, vol. 19, 100–101. Prague.

Rez J., Melichar R. (2006): The Black Box of Stress Analysis Based on Calcite Twinning. Proceedings of 4th Meeting of the Central European Tectonic Group, Zakopane, Poland. Geolines, vol. 20, 115. Prague.

Rez J., Melichar R. (2007): Dual Variscan thrusting in the Brno Massif (Eastern margin of the Bohemian Massif, Czech Republic). — Proceeding of the 5th CETeG meeting and the 12th CTS meeting, April 11–14, 2007, Teplá, Czech Republic. Česká geologická služba, 69–70. Praha.

Nehyba S., Rez J. (2007): Zastoupení organického materiálu v rámci moderních fluviálních sedimentů na Zlínsku. — Geologické výzkumy na Moravě a ve Slezsku v roce 2006, MU Brno, ČGS Brno, XIV, 1, 25–28. (Percentage of organic matter in modern fluvial sediments in the Zlín vicinity)

Rez, J., Melichar, R. (2010): Peek Inside the Black Box of Calcite Twinning Paleostress Analysis. *Trabajos De Geologia* 29, 657–662.

Rez, J., Melichar, R., Kalvoda, J. (2011): Polyphase deformation of the Variscan accretionary wedge: an example from the southern part of the Moravian Karst (Bohemian Massif, Czech Republic). In: *Kinematic Evolution and Structural Styles of Fold-and-Thrust Belts* (edited by Poblet, J. & Lisle, R. J.). Geological Society Special publications 349. Geological Society, London, 223–235.