

Curriculum Vitae - Jochen E. Mezger

Term Instructor of Geology - Field Camp Director

Department of Geology and Geophysics, University of Alaska Fairbanks

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Education

- 1997 Ph.D. Geology - University of Alberta, Edmonton, Canada
1991 Diplom Geology/Paleontology - Johannes Gutenberg University Mainz, Germany

Professional Experience

- 2013 - present Term Instructor of Geology/Field Camp Director, University of Alaska Fairbanks
2012 Lecturer, Friedrich Schiller University Jena, Germany
2011 Lecturer, Christian Albrechts University Kiel, Friedrich Schiller University Jena
2009 – 2011 Lecturer, Martin Luther University Halle-Wittenberg, Germany
2003 – 2009 Scientific Assistant (Wissenschaftlicher Assistent, C1), Martin Luther University Halle-Wittenberg
1998 – 2001 Postdoctoral researcher, Johannes Gutenberg University Mainz, Germany
1997 – 1998 Scientific Assistant, Friedrich Schiller University Jena
1992 Project Geologist, Geotechnik (Mainz) and IMA (Neuhausen), Germany
1991 – 1992 Project Geologist, Buchardt & Horn, Eschborn, Germany

Teaching Experience

- Structural Geology
- Geological interpretation of aerial and satellite photographs
- Geological Field Methods
- Petrography of igneous and metamorphic rocks
- Geochronology
- Mapping exercises: Montagne Noire, France
- Field excursions
 - Regional Geology and Tectonics of Central and Eastern Pyrenees (France, Spain, Andorra)
 - Regional Geology of SW Germany
 - Regional Geology of the Harz and Saxo-Thuringia, East Germany
 - Metamorphism of the Erzgebirge and Granulitgebirge, Saxony

Mapping Experience

- Axial Zone of the Pyrenees - Paleozoic metasediments and orthogneisses (1998–2008)
- Montagne Noire, southern France - Paleozoic sediments (2004–2009)

- NW Canadian Cordillera, Yukon - Cenozoic metasediments and granites (1993–1996)
- Sri Lanka - high grade metamorphic rocks (1990)
- Guanacaste, Costa Rica - Cenozoic sediments (1989)
- Rhenish Massif, Germany - Paleozoic sediments (1988)

Supervision of graduate and undergraduate projects

- Stephan Schnapperelle (Ph.D. 2013 – present, MLU Halle-Wittenberg, Germany)
- Stephan Schnapperelle (Diplom, 2010, MLU Halle-Wittenberg)
- Christopher Rölke (Diplom mapping project, 2009, MLU Halle-Wittenberg)
- Stephan Schnapperelle (Diplom mapping project, 2009, MLU Halle-Wittenberg)
- Thomas Graupner (B.Sc., 2007, MLU Halle-Wittenberg)

Membership in professional organizations

- Geological Society of America (GSA)
- Geologische Vereinigung (GV)
- Deutsche Mineralogische Gesellschaft (DMG)
- TecTask
- Vereinigung der Freunde der Mineralogie und Geologie e.V. (VFMG)

Professional Service

- Reviewer for scientific journals (Bulletin de la Société Géologique de France, Geology, Geological Magazine, International Journal of Earth Sciences, Journal of Structural Geology, Journal of Metamorphic Geology, Terra Nova, Tectonophysics)
- Reviewer for grant proposals of German Research Council (Deutsche Forschungsgemeinschaft, DFG)
- Book reviews in the VFMG journal "Der Aufschluss"
- Consulting for UNESCO world heritage site "Grube Messel" and Forest Museum St. Oswald (Bavarian Forest National Park), Germany

Selected publications

Mezger, J.E. & Régnier, J.-L.: Isobaric evolution of K-poor staurolite-cordierite schists during early stages of development of the Variscan Aston and Hospitalet domes, Central Pyrenees. - *Journal of Metamorphic Geology*. (in revision)

Mezger, J.E., Felder, M. & Harms, F.-J. (2013): Crystalline rocks in the maar deposits of Messel: key to understand the geometries of the Messel Fault Zone and diatreme and the post-eruptional development of the basin fill. – *Zeitschrift der Deutschen Gesellschaft für Geowissenschaften* **164**, 639–662.

Mezger, J. E., Schnapperelle, S. & Rölke, C. (2012): Evolution of the Central Pyrenean Mérens fault controlled by near collision of two gneiss domes. - *Hallesches Jahrbuch für Geowissenschaften* **34**, 11–29.

- Mezger, J. E.** (2010): Rotation of irregular staurolite porphyroblasts in a simple shear dominated shear zone controlled by initial growth orientation and aspect ratio. - *Journal of Structural Geology* **32**, 1147–1157. doi: 10.1016/j.jsg.2010.07.002
- Mezger, J. E.** (2010): Mimicking syntectonic growth: cordierite overgrowth of earlier rotated staurolite porphyroblasts, strain caps and deflected foliation.- *Journal of Structural Geology* **32**, 703–708. doi: 10.1016/j.jsg.2010.04.012
- Mezger, J. E.** (2009): Transpressional tectonic setting during the main Variscan deformation: evidence from four structural levels in the Bossòst and Aston-Hospitalet mantled gneiss domes, central Axial Zone, Pyrenees.- *Bulletin de la Société Géologique de France* **180**, 199–207. doi: 10.2113/gssgfbull.180.3.199
- Régnier, J.-L., **Mezger, J. E.** & Passchier, C. W. (2007): Metamorphism of Precambrian-Paleozoic schist of the Menderes core series and contact relationships with Proterozoic orthogneiss of the western Çine Massif, Anatolide Belt, western Turkey.- *Geological Magazine* **144**, 67–104. doi: 10.1017/S0016756806002640
- Mezger, J. E.** (2005): Comparison of the western Aston-Hospitalet and the Bossòst domes: Evidence for polymetamorphism and its implications for the Variscan tectonic evolution of the Axial Zone of the Pyrenees.- In: (eds.) Carosi, R., Dias, R., Iacopini, D. and Rosenbaum, G., The southern Variscan belt, *Journal of the Virtual Explorer* **19**, Paper 6, Electronic Edition, ISSN 1441-8142
doi:10.3809/jvirtex.2005.00122 (<http://www.virtualexplorer.com.au/journal/2005/19/mezger/>)
- Mezger, J. E.** & Passchier, C. W. (2004): Comment on "Identification of an underfilled foreland basin system in the Upper Devonian of the Central Pyrenees: implications for the Hercynian orogeny" by Souquet et al., *International Journal of Earth Sciences* **92**, 316–337 (2003).- *International Journal of Earth Sciences* **93**, 467–470. doi: 10.1007/s00531-004-0395-6
- Mezger, J. E.**, Passchier, C. W & Régnier, J.-L. (2004): Metastable staurolite–cordierite assemblage of the Bossòst dome: late Variscan decompression and polyphase metamorphism in the Axial Zone of the central Pyrenees. *Comptes Rendus Geoscience* **336**, 827–837. doi: 10.1016/j.crte.2003.12.024
- Mezger, J. E.** & Passchier, C. W. (2003): Polymetamorphism and ductile deformation of staurolite–cordierite schist of the Bossòst dome: indication for Variscan extension in the Axial Zone of the central Pyrenees. *Geological Magazine* **140**, 595–612. doi: 10.1017/S0016756803008112
- Mezger, J. E.** (2003): Geology of the Dezadeash Range and adjacent areas of the northern Coast Mountains (115A), southwestern Yukon: Re-examination of a terrane boundary.- In: *Yukon Exploration and Geology 2002* (edited by Emond, D. S. & Lewis, L. L.). Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, 149–163.
- Mezger, J. E.**, Chacko, T. & Erdmer, P. (2001): Metamorphism along a late Mesozoic accretionary continental margin: a case study from the northern Coast Belt of the North American Cordillera.- *Journal of Metamorphic Geology* **19**, 121–138. doi: 10.1046/j.0263-4929.2000.00300.x
- Mezger, J. E.**, Creaser, R. A., Erdmer, P. & Johnston, S. T. (2001): A Cretaceous back arc basin in the Coast Belt of the northern Canadian Cordillera: evidence from geochemical and neodymium isotope characteristics of the Kluane metamorphic assemblage, southwest Yukon. *Canadian Journal of Earth Sciences* **38**, 91–103. doi: 10.1139/cjes-38-1-91
- Mezger, J. E.** (2000): "Alpine-type" ultramafic rocks of the Kluane metamorphic assemblage, southwest

Yukon: Oceanic crust fragments of a late Mesozoic back arc basin along the northern Coast Belt.- In: *Yukon Exploration and Geology 1999* (edited by Emond, D. S. & Weston, L. H.). Exploration and Geological Services Division, Indian and Northern Affairs Canada, Whitehorse, 127–138.