

Curriculum Vitae - Dr. Jochen E. Mezger

Born Mainz, Germany, July 1, 1965
Marital status single
Nationality German
Office address Department of Geosciences, University of Alaska Fairbanks
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Education

11/20/1997 Granted **Ph.D.** in Geology - University of Alberta, Edmonton, Canada
Thesis Title: "*Tectonometamorphic evolution of the Kluane metamorphic assemblage, SW Yukon: evidence for late Cretaceous eastward subduction of oceanic crust underneath North America*"

9/1992–6/1997 Enrolled in PhD program in Geology, Department of Earth & Atmospheric Sciences, University of Alberta, Edmonton, Canada

8/27/1991 Granted **Diplom** in Geology/Paleontology, Johannes Gutenberg University Mainz, Germany.
Thesis title: "*Geophysical and structural studies of a postulated thrust zone in high-grade metamorphic rocks, southeast Sri Lanka*" (translated from German)

10/1985–7/1991 Enrolled in Diplom program in Geology/Paleontology - Johannes Gutenberg University Mainz, Germany

6/19/1984 **High school diploma** ("Abitur"), Gutenberg Gymnasium Mainz, Germany

1975–1984 Gutenberg Gymnasium Mainz, Germany

1971–1975 Heinrich-Mumbächer elementary school, Mainz, Germany

Employment

1/17/2013 – present Term Instructor of Geology/Field Camp Director, University of Alaska Fairbanks

November 2012 Adjunct Lecturer, Friedrich Schiller University Jena, Germany

June 2012 Adjunct Lecturer, Friedrich Schiller University Jena, Germany

Sept.–Oct. 2011 Adjunct Lecturer, Christian Albrechts University Kiel, Germany

March 2011 Adjunct Lecturer, Friedrich Schiller University Jena, Germany

11/2009–3/2011 Lecturer, Martin Luther University Halle-Wittenberg, Germany

11/2003–10/2009 Scientific Assistant (Wissenschaftlicher Assistent, C1), Department of Geosciences, Martin Luther University Halle-Wittenberg, Germany

6/1998–5/2001 Postdoctoral researcher, Johannes Gutenberg University Mainz, Germany

10/1997–2/1998 Scientific Assistant, Friedrich Schiller University Jena, Germany

February–May 1992 Geotechnical assistant, Geotechnik, Mainz, Germany

February–July 1992 Project Geologist (freelance) IMA, Neuisenburg, Germany

12/1991–1/1992 Project Geologist (freelance), Buchardt & Horn, Eschborn, Germany

Military service

10/1984–12/1985 Mandatory military service in the German military at the 3. Artillery Commando (StBtrArtKdo 3) stationed in Montabaur and Koblenz, Germany

Research Interests

- Interaction of deformation and metamorphism, kinematics of porphyroblasts
- Tectonic evolution of gneiss domes
- Shear zones and high strain deformation
- Tectonic evolution of the Variscan of Southwestern Europe
- Metamorphic evolution of orogenic core zones
- Geochronology, metamorphic petrology, microtectonics

Fieldwork and selected excursions

- 2013-19 Geological Mapping of Limestone Gap, Talkeetna Mts, Central Alaska
- 2010 Scotland, August 7-18, 2010
- 2001 Ivrea Zone, Northern Alps, Italy, August 14-17, 2001
- 2000 Insubric Line, Northern Alps, Italy, October 7-8, 2000
- 2000 Portugal, June 9-18, 2000
- 1998-2014 Structural and metamorphic mapping of the Axial Zone, Central Pyrenees (France, Andorra, Spain)
- 1993-1995 Structural and metamorphic mapping of the Kluane metamorphic assemblage, SW Yukon, Canada
- 1990 Geological mapping and geophysical traverse of the Precambrian basement of the Highland and Vijayan Complexes, southern Sri Lanka
- 1989 Geological mapping of the sedimentary Tempisque Basin, NW Costa Rica, April - June 1989
- 1988 Geological mapping of the Devonian of the Lahn-Dill syncline, Rhenish Massif, Germany, April 11-23, 1988
- 1986 Geological mapping of the Rotliegend in the Richelsdorfer Mts., Germany, September 1986

Membership in Professional Organizations

- Alaska Geological Society (AGS)
- Deutsche Geologische Gesellschaft - Geologische Vereinigung e.V. (DGGV)
- Deutsche Mineralogische Gesellschaft e.V. (DMG)
- Geological Society of America (GSA)
- The Laboratory Safety Institute (LSI)
- Vereinigung der Freunde der Mineralogie und Geologie e.V. (VFMG)

Professional Service

- Reviewer for scientific journals: *Bulletin de la Société Géologique de France*, *European Journal of Mineralogy, Geology, Geological Magazine, International Journal of Earth Sciences, Journal of Iberian Geology, Journal of Structural Geology, Journal of Metamorphic Geology, Lithosphere, Terra Nova, Tectonophysics*
- Reviewer of research grant proposals for National Science Foundation (NSF) and German Research Council (Deutsche Forschungsgemeinschaft, DFG)
- Consulting for UNESCO world heritage site "Grube Messel" and Forest Museum St. Oswald (Bavarian Forest National Park), Germany

Teaching Experience

Present - University of Alaska Fairbanks

- Petrology and Petrography (Geos 214)
- Field and Computer Methods (Geos 225)
- Tectonics (Geos 309)
- Structural Geology (Geos 314)

- Field Geology - Geology Field Camp (Geos 351, 454)
- Geochronology (Geos 605)
- Deformation and Metamorphism of Crystalline Rocks (Geos 694)

2003-2012 - Halle, Jena, Kiel

- Structural Geology
- Geological interpretation of aerial and satellite photographs
- Geological Field Methods
- Petrography of Igneous and Metamorphic rocks
- Geochronology

Field Trips and mapping exercises - leading

- 2-week geology mapping course, Montagne Noire, France (2004–2009)
- 10-day regional geology field trip Central and Eastern Pyrenees (2005–2009)
- 2-week field trip Regional Geology of SW Germany (2011)
- 2-week field trip Geology and Engineering Geology of the West Alps (2004)
- One day field trips Regional Geology Germany (2004-2012)

Student supervision – co-supervision

- 2018 William Thompson (MSc, University of Alaska Fairbanks)
- 2017 Stephan Schnapperelle (Ph.D., Martin Luther University Halle-Wittenberg)
- 2015 Peter Illig (MSc, University of Alaska Fairbanks)
- 2010 Stephan Schnapperelle (Diplom, Martin Luther University Halle-Wittenberg)
- 2009 Christopher Rölke (Diplom mapping project, Martin Luther University Halle-Wittenberg)
- 2009 Stephan Schnapperelle (Diplom mapping project, Martin Luther University Halle-Wittenberg)
- 2007 Thomas Graupner (B.Sc., Martin Luther University Halle-Wittenberg)

Grants and Awards

Research Grants

- 2009 Deutsche Forschungsgemeinschaft (DFG), Sachbeihilfe (Research Grant) (*ME 1813/3-1*) - Evolution and chronological correlation of metamorphic and magmatic events in the Variscan basement of the central Pyrenean Axial Zone (France)
- 1994 Geological Society of America (GSA), Research Grant (*5526-94*) - Fieldwork Yukon, PhD research project
- 1993 Canadian Circumpolar Institute, C/Bar Grant (*52-03039*) - Fieldwork Yukon, PhD research project

Travel Awards

- 2017 UNAC Travel Grant, United Academics Travel Grants Committee - Annual Meeting of the Geological Society of America, Seattler, Washington, October 21-26, 2017.
- 2014 UNAC Travel Grant, United Academics Travel Grants Committee - Annual Meeting of the Geological Society of America, Vancouver, British Columbia, October 19-22, 2014.
- 1994 J Gordon Kaplan Graduate Student Award, Faculty of Graduate Studies and Research, University of Alberta - Cordilleran Tectonics Workshop 1995, Ottawa Carleton Geoscience Centre.
- 1989 Deutscher Akademischer Austauschdienst (DAAD), Travel Grant - Practical training, mapping in Costa Rica.

Equipment Awards

- 2014 Technology Advisory Board (TAB), University of Alaska Fairbanks - #646: Department of Geosciences computer lab
- 2013 Technology Advisory Board (TAB), University of Alaska Fairbanks - #621: Wide Format Scanner

Other

- 2008 2. place poster award, 12. Symposium "Tektonik, Struktur und Kristallingeologie" (TSK 12), Karlsruhe, April 2-4, 2008.

Invited talks and seminar presentations

- 2019 Geosciences Seminar - Department of Geosciences, University of Alaska Fairbanks - 2/15/2019
Microtectonics - Stress, Strain and Beauty of Rocks revealed by Microscope
- 2016 Geosciences Seminar - Department of Geosciences, University of Alaska Fairbanks - 2/26/2016
Deformed belemnites of Limestone Gap - what fossils can tell us about tectonics
- 2013 Geosciences Seminar - Department of Geosciences, University of Alaska Fairbanks - 4/19/2013
Half a billion years of crustal evolution in the Pyrenees: from Gondwana to the Tour de France
- 2012 Geoscience Seminar - Department of Geosciences, Goethe University Frankfurt, Germany - 5/30/2012
Strukturelle und PT-Entwicklung der prä-alpidischen Pyrenäen" (Structural and pressure-temperature evolution of the pre-alpidic Pyrenees)
- 2012 Geoscience Colloquium - Department of Geosciences, Friedrich Schiller University, Jena, Germany - 4/30/2012
Gneisdome und steile Anstiege - die prä-alpidische Entwicklung der Pyrenäen (Gneiss domes and steep slopes - the pre-alpidic evolution of the Pyrenees)
- 2010 Society for Geology Applied to Mineral Deposits (SGA) Student Conference, Martin-Luther University, Halle, Germany Der Harz - The Harz Mountains - 2/19/2010
- 2006 LAGB Colloquium - Landesamt für Geologie und Bergwesen Sachsen-Anhalt (Geological Survey of Sachsen-Anhalt), Halle, Germany - 11/14/2006
Aktuelle geodynamische Modelle - ein Überblick" (Current geodynamic models - an overview)
- 2006 Structural Geology Seminar - Department of Earth Sciences, ETH Zürich, Switzerland - 6/28/2006
Polymetamorphism and deformation - How the structural and metamorphic domes of the Pyrenees really evolved
- 2005 Lange Nacht der Wissenschaften (Long Night of Science) Halle, Germany - 7/1/2005
Kartieren zwischen Grizzlies und Gletscher (Mapping between grizzlies and glaciers)
- 2005 Verein der Freunde der Mineralogie und Geologie (VFMG) Seminar, Martin-Luther University, Halle, Germany
Pyrenees: A journey through landscape, culture and geology - 4/20/2005
- 1999 GSA Penrose Conference "Terrane Accretion along the Western Cordilleran Margin: Constraints on Timing and Displacement", Winthrop, Washington - June 21-27, 1999
Mylonites of the southwestern Yukon - a record of Cretaceous accretion onto North America as a result of oblique subduction, and a case against large-scale dextral strike-slip along the Denali fault
- 1998 Structural Geology Research Seminar 98/99 of the University of Frankfurt/Main, Germany - 11/30/1998
Terrane-Akkretion entlang des NW-amerikanischen Kontinentalrandes im Mesozoikum (Terrane accretion along the NW American continental margin in the Mesozoic)