short course

EXPLORATION GEOLOGY

Training course endorsed by the European Federation of Geologists

DMG Deutsche Mineralogische Gesellschaft

Ore deposit models, alteration geochemistry and ore textures

COURSE TOPICS

- exploration geology: objectives, approaches and methods
- sampling, analytical methods and data processing
- geochemical discrimination
- alteration geochemistry and vectoring
- visualization of geochemical data: ioGAS software
- ore microscopy
- exploration case studies

COURSE STRUCTURE

- 3 days of lectures (50 %) and practical sessions (50%)
- poster session of participants
- 1 day field trip (optional)

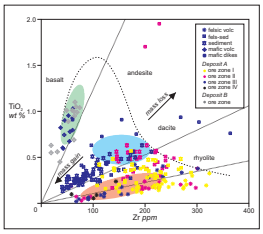
PRACTICAL INFORMATION

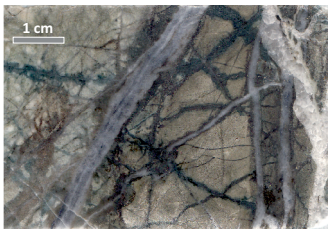
- participants may use their own or university-provided PC
- geochemical visualization software will be provided
- participants my obtain 2 ECTS credits after succesful completion of the course and written examination

OVERVIEW

This short course offers theoretical foundations and practical training in exploration geology, alteration geochemistry and ore interpretation. We welcome participants from universities, research institutions as well as exploration or industrial companies wishing to further their professional development. In addition, the short course will host a poster session for participants who wish to present and discuss their own projects. The course contents are aimed at master and doctoral students but the course is open to early career scientists and participants from industry and private sector as well. The course is endorsed by the European Federation of Geologists (EFG) as a part of their professional development training. The official language of the course will be English.

An optional one-day excursion to ore deposits in Schwarzwald (Black Forest) is planned for March 21, 2019. The field trip will demonstrate various styles of mineralization related to rifting of the Upper Rhine graben.





INSTRUCTORS

Prof. David Dolejš (lectures and practical sessions) holds chair of mineralogy and petrology at the University of Freiburg. He conducts research on magmatic and hydrothermal systems, including field and theoretical approaches to geochemical processes and hydrothermal fluid flow during the formation of mineral deposits.

Dr. Kateřina Schlöglová (software sessions and field trip) is an assistant at the University of Freiburg and a consultant for mineral exploration (KDS GeoConsult). She gained her industry experience working as an exploration geologist for Dragon Mining Ltd. She is interested in physico-chemical processes responsible for formation of magmatic-hydrothermal deposits .

Dr. Malte Junge (ore microscopy) is a lecturer in mineralogy and mineral resources at the University of Freiburg, with previous employment at the Federal Institute for Geosciences and Natural Resources (BGR) in Hanover. His research interest focuses on ultramafic-mafic, granitic and VMS-type ore deposits.

Dr. Denis Schlatter, EurGeol (exploration models and case studies) is the CEO of the Helvetica Exploration Services GmbH. He has over 20 years of experience in mineral exploration in industry, academia and government, particularly gold and base metal exploration in the Arctic with 15 field seasons in Archean provinces of Greenland.

March 18-21, 2019

Institute of Earth and Environmental Sciences, University of Freiburg, Germany

Albertstrasse 23b, 79104 Freiburg im Breisgau www.minpetro.uni-freiburg.de/expgeo

COSTS include registration, course materials, coffee breaks, social dinner

- 50 EUR - students and early career scientists*
- 400 EUR - non-academic and industry atendees
- 320 EUR - holders of the EurGeol tittle
- 30 EUR - excursion fee

**non-resident student members of the DMG are eligible for travel support of 50 €*

REGISTRATION deadline January 10, 2019

- for registration, see: www.minpetro.uni-freiburg.de/expgeo
- for further inquiries contact: Dr. Kateřina Schlöglová katerina.schloglova@minpet.uni-freiburg.de