

DMG-Doktorandenkurse 2018

Auch 2018 finden wieder Doktorandenkurse mit Unterstützung der Deutschen Mineralogischen Gesellschaft statt. Nicht ortsansässige (bezogen auf den jeweiligen Veranstaltungsort), studentische DMG-Mitglieder erhalten einen Reisekostenzuschuss von 50 €, falls keine andere finanzielle Förderung durch ihre Institute oder Projekte erfolgt. Weitere Hinweise und Links finden sich auf der DMG-Homepage:

www.dmg-home.org/aktuelles/doktorandenkurse.

- K1 High-Pressure Experimental Techniques and Applications to the Earth's Interior**, Bayerisches Geoinstitut/Universität Bayreuth, Dr. Florian Heidelberg, 19.–23. Februar 2018,
— florian.heidelberg@uni-bayreuth.de, www.bgi.uni-bayreuth.de/ShortCourse2018
- K2 Radiogenic and Non-traditional Isotopes: Analytical Methods and Applications**, Institut für Geowissenschaften, Universität Frankfurt, Dr. Axel Gerdes, 6.–9. März 2018,
— gerdes@em.uni-frankfurt.de
- K3 Exploration Geology: Ore Deposit Geology, Alteration Geochemistry and Ore Interpretation**, Institut für Geo- und Umweltnaturwissenschaften / Mineralogie – Petrologie, Albert-Ludwigs-Universität Freiburg, Prof. David Dolejš, Dr. Denis Schlatter, Katerina Schlöglová, Dr. Malte Junge, 19.–22. März 2018,
— david.dolejs@minpet.uni-freiburg.de
- K4 Anwendungen der Festkörper-NMR-Spektroskopie in der mineralogischen und geowissenschaftlichen Forschung**, Institut für Geologie, Mineralogie und Geophysik, Ruhr-Universität Bochum, Dr. Michael Fechtelkord, 22.–25. Mai 2018,
— www.ruhr-uni-bochum.de/dgk-ak12/workshops/dmgshortcourse/index.html
— michael.fechteltkord@rub.de
- K5 Application of Diffusion Studies to the Determination of Timescales in Geochemistry and Petrology**, Institut für Geologie, Mineralogie und Geophysik, Ruhr-Universität Bochum, Prof. Dr. Sumit Chakraborty, Dr. Ralf Dohmen, September/Oktober 2018,
— sumit.chakraborty@rub.de
- K6 In situ-Analyse von Isotopen und Spurenelementen mit (LA-) ICP-MS gekoppelt mit Femtosekunden-Laserablation**, Institut für Mineralogie, Leibniz Universität Hannover, Dr. Ingo Horn, Dr. Stephan Schuth, Dr. Marina Lazarov, Dr. Martin Oeser, Prof. Stefan Weyer, 8.–12. Oktober 2018,
— s.weyer@mineralogie.uni-hannover.de
- K7 Introduction to Secondary Ion Mass Spectrometry in the Earth Sciences**, Helmholtz-Zentrum Potsdam – GFZ-Deutsches GeoForschungsZentrum, Dr. Michael Wiedenbeck, Oktober/November 2018,
— michael.wiedenbeck@gfz-potsdam.de

Studentische Mitglieder der DMG erhalten bei der Teilnahme an Kursen der DGGV oder DGK die gleiche Reisebeihilfe wie bei Kursen aus dem DMG-Programm.

High-Pressure Experimental Techniques and Applications to the Earth's Interior Short Course 2018



University Bayreuth
19 – 23 February 2018

This five-day short course will provide an introduction to state-of-the-art experimental methods in mineralogy, geochemistry and geophysics as applied to understanding the composition, structure and dynamics of the Earth's interior. Topics to be covered include high-pressure/high-temperature experimental methods, spectroscopy and X-ray diffraction at high-pressure, transmission electron microscopy, thermodynamics and phase equilibria, high-pressure crystal chemistry, equations of state, transformation kinetics, diffusion and deformation. The course will be held in the laboratories of Bayerisches Geoinstitut.

Requirements

The course is aimed primarily at advanced-level undergraduate and graduate students but is also open to postdoctoral researchers. Participants should have completed at least 7 semesters of Earth Sciences and should have a basic background in mineralogy, crystallography, petrology and/or geophysics. The number of participants will be limited. The official course language is English.

ECTS (European Credit Transfer System)

Participants may obtain 2 ECTS credit points after completion of the course and after passing a written examination. For students who do not wish to obtain an ECTS certificate the examination is not required.

Costs

The course fee will be Euro 70 which covers the course materials, refreshments during the course and the short course dinner on Tuesday night. We will help find reasonably priced accommodation. The course receives financial support by German Mineralogical Society (Deutsche Mineralogische Gesellschaft – DMG). Non-Bayreuth student members of DMG are eligible for travel support to the amount of Euro 50.

Information, application form

www.bgi.uni-bayreuth.de/ShortCourse2018

www.dmg-home.org/index.php?id=90

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2018 High-Pressure Short Course

Bayerisches Geoinstitut · Universität Bayreuth

95440 Bayreuth

Radiogenic and Non-traditional Isotopes: Analytical Methods and Applications



Goethe University Frankfurt
6–9 March 2018

This short course focuses on the analyses of stable and radiogenic isotopes (e.g. Li, B, Fe, Sr, Mo, Nd, Hf, W, U-Th-Pb, U) as well as trace elements in rocks and minerals by laser ablation and solution-based ICP-MS and SIMS. Presentations comprise technical aspects about instrumentation, methods, and a wide range of applications with emphasis on geochronology, processes on early Earth and in the solar system, composition and evolution of oceans and continental crust.

Requirements

The course is designed for PhD students/post-docs with some knowledge on isotope geology and is given as individual lectures by experts on the field (Frankfurt and external). However, interested MSc students are also welcome.

Costs

40 Euro. It will be supported by the SPP 1833 „Habitable Earth“ and students (MSc, PhD, post-docs) from German institutions can apply for a travel grant.

Registrations

should be sent to the following address before 27 January 2018:

Axel Gerdes

Geozentrum der Goethe-Universität
Institut für Geowissenschaften
Altenhöferallee 1
60438 Frankfurt am Main
Deutschland

Fax: +49 (0)69 798-40121

gerdes@em.uni-frankfurt.de (subject 'RNI short course')

Exploration Geology: Ore deposit models, alteration geochemistry and ore textures



**Universität Freiburg
Institut für Geo- & Umweltnaturwissenschaften
March 19–22, 2018**

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. Individual lectures (50 %) and practical sessions with software and microscope training (50 %) will address the following 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

In addition, the short course will host a plenary lecture by a distinguished speaker and 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 official language will be English. An optional one-day excursion to ore deposits in Schwarzwald (Black Forest) is planned for March 22, 2018. The field trip will demonstrate various styles of Pb-Zn-Ag and fluorite mineralization related to rifting of the Upper Rhine graben.

Instructors: Prof. Dr. David Dolejš (Univ. Freiburg), Dr. Malte Junge (Univ. Freiburg), Katerina Schlöglöva (Dragon Mining Sweden/ETH Zürich), Dr. Denis Schlatter, EurGeol (Helvetica Exploration Services GmbH)

ECTS credit points: Participants will receive an attendance certificate and may obtain 2 ECTS credit points after successful completion of the course and written examination. The examination is not required for those who do not wish to obtain the credits.

Costs: The registration fee for the short course is 50 € for students and early career scientists and 400 € for non-academic and industrial attendees. The fee covers course materials, refreshments during the course and social dinner for all participants and instructors. The excursion fee is 30 € to cover transportation, entrance fees and excursion materials. The course is supported by the German Mineralogical Society (DMG) and non-resident student members of the Society are eligible for travel support of 50 €.

Information and applications:

www.minpet.uni-freiburg.de/expgeo

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