

## FROM THE PRESIDENT



François Holtz

More than 700 scientists, many of whom were young scientists, attended the second European Mineralogical Conference (emc<sup>2016</sup>) in Rimini (Italy). The catering was excellent and the location was ideal to promote friendly and fruitful exchanges between participants of different nationalities during the breaks. Many thanks are due to Giuseppe Cruciani and Bernardo Cesare for organizing emc<sup>2016</sup>, and thanks also go to Heidi Höfer, who was our DMG correspondent during the preparation phase. The European mineralogical communities all agreed that this type of meeting should continue once

every four years. Two countries have offered to be potential hosts for the next EMC meeting in 2020.

This year, the committee of the Paul Ramdohr Award could not meet directly at the end of emc<sup>2016</sup> but made the decision, a few days later, to give the award to Martin Kutzschbach (TU Berlin und GFZ Potsdam). Congratulations also go to Gerhard Brey (Abraham Gottlob Werner Medal in Silver), Ulrich Förstner (Georg Agricola Medal), Christoph Burkhardt (Victor Moritz Goldschmidt Prize), Sarah Incel (Beate Mocek Prize) and to the two honorary fellows (Ehrenmitglieder) Herbert Kroll and Herbert Palme!

After two years as president of the DMG it is already time for me to pass my responsibilities on to Reiner Klemd (University of Erlangen-Nürnberg, Germany), who has my best wishes for the forthcoming two years. With Reiner, the society will have a president with a scientific focus on the formation of ore deposits, and I am happy to see this subdiscipline once again becoming attractive among the German geoscientific community and in universities. My work as president was largely facilitated by your support, and I would like to thank everybody who helped in the various tasks related to the DMG board and to the commissions (more than 60 persons in total!), but in particular our secretary, Klaus-Dieter, for his constant and effective assistance. I would also like to encourage the numerous foreign geoscientists (and scientists generally) who have jobs in Germany to participate in the life of our national societies. We would welcome you! German research facilities and the jobs they support are mainly funded by national companies and institutions: having a strong and well-organized national science society, such as the DMG (among many others), is necessary to adequately represent our total community at the national level.

I am looking forward to meeting many (hopefully new) DMG members at our next meeting in Bremen. And I wish all the members a happy and peaceful Christmas.

**François Holtz** (DMG President)

## DMG AWARDS FOR 2016

At the emc<sup>2016</sup> meeting in Rimini (Italy) the DMG announced the recipients of its 2016 awards (see also meeting report p. xxx).



Gerhard Brey (Frankfurt, Germany) displaying his Abraham Gottlob Werner medal at the DMG booth in Rimini (Italy)

The **Abraham Gottlob Werner Medal** in silver is the highest award of the German Mineralogical Society and honours outstanding contributions to research in mineralogy and closely allied fields. The 2016 medal was presented to **Gerhard Brey** (Goethe University, Frankfurt). Gerhard Brey is an internationally renowned mineralogist, petrologist and geochemist. His work spans an exceptionally wide range of disciplines and includes geothermobarometry in 4-phase lherzolites, isotope and trace element geochemistry of mantle rocks, carbonate sediment-peridotite interaction, partitioning of trace elements between carbonatitic melts and mantle minerals, inclusions in diamonds, determining the oxidation state of Fe by electron microprobe, and archaeometry.



Ulrich Förstner (Hamburg, Germany)

The **Georg Agricola Medal** of the DMG recognizes outstanding achievements in the field of technical and applied mineralogy. **Ulrich Förstner** (Technical University Hamburg-Harburg) received the medal for his fundamental contributions to water protection and the remediation of contaminated soils. He developed new geochemical engineering concepts and technologies for the management of contaminated sediments on the scale of river basins. His book on methods of cleaning up environmental contamination, *Umweltschutztechnik*, was first published in 1990 by Springer: the 9<sup>th</sup> edition is planned for 2017.



Christoph Burkhardt (Münster)

The **Victor Moritz Goldschmidt Prize** is given to young researchers for outstanding contributions to mineralogical science. In 2016, the prize was awarded to **Christoph Burkhardt** of the University of Münster for his exceptional contributions to the fields of geochemistry and cosmochemistry. He showed that Earth's precursor bodies, when compared to chondritic meteorites, were enriched in neodymium that had been produced by slow neutron capture nucleosynthesis. Taking this into account, the Nd<sup>142</sup>/Nd<sup>144</sup> ratios of chondrites and the accessible Earth are nearly indistinguishable.

Consequently, chondrites are suitable proxies for Earth's bulk chemical composition, although they formed at greater heliocentric distances and contained a different mix of presolar components than did Earth (Burkhardt et al. 2016, *Nature* 537, pp 394–398). Christoph Burkhardt will give a plenary talk at the next DMG meeting in Bremen (GeoBremen 2017).



Maria Stuff (TU Berlin and GFZ Potsdam)



Aurelia Zirner (Bonn)

The **Paul Ramdohr Award** is given for the best student contribution at the annual meeting of the DMG. At last year's meeting, GeoBerlin 2015, two students were honoured. **Maria Stuff** (TU Berlin and GFZ Potsdam) presented the talk "Experimental Constraints on Fe Isotope

Fractionation between Silicate and Carbonate Immiscible Melts" and **Aurelia Zirner** (Steinmann Institute, Bonn University) was awarded for her poster, "Anorthositic Dykes in Cyprus – Precipitates of Magmatic Fluids?".



Sarah Incel (Paris)

The **Beate Mocek Prize** is dedicated to supporting mineralogical research by young female scientists, in particular in the fields of petrology and geochemistry. This year's award was given to **Sarah Incel** (École Normale Supérieure de Paris, France). Within the context of the European Marie Curie Initial Training Network known as "ZIP – Zooming In-between Plates", she performed a set of experiments to characterize the mechanics and rheology of the oceanic and continental crust during eclogitization. Her project also involved field study (to the

Western Gneiss Region of Norway) in the hope of linking laboratory microstructures with structures observed in natural rocks. Sarah will use the prize's financial support to perform additional experiments at the Advanced Photon Source (APS) in Chicago (USA).

### CPKM AND AMITU WORKSHOP 2017

The next joint workshop of DMG's sections Chemistry, Physics and Crystallography of Minerals (CPKM) and Applied Mineralogy in Technique and Environment (AMiTu) will take place 22–24 February 2017 in Bad Windsheim (Germany), which is in the northern region of Bavaria. As always, the major aim of the workshop is to bring students in contact with experienced scientists in order to discuss the students' recent and future scientific work. For further information, contact christoph.berthold@uni-tuebingen.de.

### GEOLOGY OF ORE DEPOSITS (GOOD) MEETING

#### Leibniz University Hannover

8–11 March 2017

Continuing the successful 1<sup>st</sup> Geology of Ore Deposits (GOOD) conference in March 2016 in Freiberg (Germany), we invite all young researchers in the field of ore deposit geology to the 2<sup>nd</sup> GOOD meeting. The 2<sup>nd</sup> meeting will take place 8–11 March 2017 at the Institute for Mineralogy at the Leibniz Universität Hannover (Germany). The attendance fee is €40.



The conference aims to connect young professionals from all disciplines in ore deposit geology. All participants will have the opportunity to present and discuss their research results with an audience on a level

playing field. The conference program will be completed by keynote speakers from scientific and industrial backgrounds, and there will be an icebreaker event and some regional field trips.

For further information, please contact us or have a look at [www.dmg-home.org](http://www.dmg-home.org) (working group: Rohstoffforschung).

**Lennart Fischer, Malte Junge** (Hannover)

### DMG SHORT COURSES 2017

In 2017, the DMG will support eight short courses. All courses will be aimed primarily at advanced-level undergraduate and graduate students but, as always, are open to more senior researchers as well. Nonlocal student members of the DMG will be eligible for travel support to the amount of €50. Further information can be found at [www.dmg-home.org/aktuelles/doktorandenkurse/](http://www.dmg-home.org/aktuelles/doktorandenkurse/).

(1) **High-Pressure Experimental Techniques and Applications to the Earth's Interior**, Bayerisches Geoinstitut/University Bayreuth (Germany), Dr. Stefan Keyssner, 20–24 February 2017 ([stefan.keyssner@uni-bayreuth.de](mailto:stefan.keyssner@uni-bayreuth.de))

(2) **Rietveld Refinement: Basic Principles and Applications** (Grundlagen und Anwendung der Rietveld-Verfeinerung): Max Planck Institute for Solid State Research (Stuttgart, Germany), Prof. Dr. Robert E. Dinnebier, 6–9 March 2017 ([r.dinnebier@fkf.mpg.de](mailto:r.dinnebier@fkf.mpg.de))

(3) **Solid-State NMR Spectroscopy** (Anwendungen der Festkörper-NMR-Spektroskopie in der mineralogischen und geowissenschaftlichen Forschung), Institute for Geology, Mineralogy and Geophysics, Ruhr University Bochum (Germany), Dr. Michael Fechtelkord, 6–9 June 2017 ([michael.fechtelkord@rub.de](mailto:michael.fechtelkord@rub.de))

(4) **Mineralogy, Mineral Physics, and Seismology of the Earth's Mantle** (Mineralogie, Mineralphysik und Seismologie des Erdmantels), Bayerisches Geoinstitut/University Bayreuth (Germany), Dr. Hauke Marquardt (BGI), Prof. Christine Thomas (University Münster, Germany), tba for summer 2017 ([hauke.marquardt@uni-bayreuth.de](mailto:hauke.marquardt@uni-bayreuth.de))

(5) **In situ Analysis of Isotopes and Trace Elements by Femtosecond Laser Ablation ICP-MS** (In situ-Analyse von Isotopen und Spurenelementen mit (LA-) ICP-MS gekoppelt mit Femtosekunden-Laserablation), Institute for Mineralogy, Leibniz Universität Hannover (Germany), organized by Prof. Dr. Stefan Weyer and others, 9–13 October 2017 ([s.weyer@mineralogie.uni-hannover.de](mailto:s.weyer@mineralogie.uni-hannover.de))

(6) **Introduction to Secondary Ion Mass Spectrometry in the Earth Sciences**, Helmholtz Centre Potsdam–GFZ German Research Centre for Geosciences (Germany), Dr. Michael Wiedenbeck, 13–17 November 2017 ([michael.wiedenbeck@gfz-potsdam.de](mailto:michael.wiedenbeck@gfz-potsdam.de))

(7) **SEM-based Automated Mineralogy**, Helmholtz Centre Dresden–Rossendorf (Germany), Dr. Axel Renno (HZDR), Prof. Bernhard Schulz (Freiberg), tba for October/November 2017 ([a.renno@hzdr.de](mailto:a.renno@hzdr.de))

(8) **Application of Ion Beam Analysis in Mineralogy and Geochemistry**, Helmholtz Centre Dresden–Rossendorf and Helmholtz Institute Freiberg for Resource Technology (Germany), Dr. Axel Renno, Dr. Frans Munnik, Dr. René Heller, 20–24 November 2017 ([a.renno@hzdr.de](mailto:a.renno@hzdr.de))