

FROM THE PRESIDENT



Reiner Klemm

Dear members of the DMG,

As we are rapidly approaching the end of 2017, now is a suitable opportunity to look back on the past year. The GeoBremen2017 meeting of the German Mineralogical Society (Deutsche Mineralogische Gesellschaft; DMG) and the DGGV (Deutsche Geologische Gesellschaft–Geologische Vereinigung) was held 24–29 September 2017. The conference was organized by the University of Bremen and the MARUM research facility in Bremen (Germany). With the

thematic title, “The System Earth and its Materials – From Seafloor to Summit”, GeoBremen2017 provided a multidisciplinary stage with the focus on various sub-themes of the Earth and material sciences.

This excellently organized meeting was a roaring success, with almost 700 participants, many of whom came from all over the world. Particularly successful was the participation of many young researchers, who could experience the diversity of the different mineralogical and geological sub-disciplines. Many thanks go to the organizing committee, especially Wolfgang Bach and Andreas Lüttge (both University of Bremen), as well as to Barbara Donner, Jana Stone and Gerold Wefer (all MARUM) who did an excellent job.



Town hall reception at the GeoBremen2017 meeting.

The GeoBremen2017 meeting was also accompanied by two scientific workshops and nine field trips. The next issue of *Elements* will include a detailed report on the conference and the associated workshop, “Introduction to Thermodynamic Modelling with Theriak-Domino Software”.

Nominations for the 2018 DMG board were finalized during DMG’s annual business meeting. The list of persons standing for election was published in the June issue of *GMIT* (*Geowissenschaftliche Mitteilungen*) (www.gmit-online.de).

One of the highlights of the meeting was the presentation of the DMG awards. Our congratulations go to Joseph R. Smyth (University of Colorado, USA) for the **Abraham Gottlob Werner Medal** (silver medal), which is the highest award given by the DMG and is for outstanding original research. The **Paul Ramdohr Award**, which is for the best oral student presentation, was presented to Martin Kutzschbach (TU Berlin and GFZ Potsdam) for his excellent talk presented at the 2016 emc2016 conference in Rimini (Italy). The awards committee also announced the 2017 winner, Jessica Starke (University

of Tübingen, Germany) for her talk at GeoBremen2017. She will be honored next year at GeoBonn2018. In addition, the **Beate Mocek Prize**, dedicated to young female scientists who specialize in petrology and geochemistry, was given to Juliana Troch (ETH Zürich, Switzerland). Furthermore, congratulations go to new honorary DMG members Klaus Heide (University of Jena, Germany) and Walter Maresch (University of Bochum, Germany).

I would like to announce that the next DMG meeting will be held 2–6 September 2018 in Bonn (Germany) in conjunction with the DGGV and the palaeontological society (PalGes). Throughout 2018, the popular DMG short courses will be given for advanced-level undergraduate and graduate students (for more information, see our homepage <https://www.dmg-home.org/aktuelles/doktorandenkurse/>).

I wish all DMG members a Merry Christmas and a Happy and prosperous New Year! All the best, and Glückauf,

Reiner Klemm (DMG President)

DMG AWARDS FOR 2017

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 related fields. The 2017 medal is awarded to **Joseph (Joe) R. Smyth**, Professor of Geological Sciences at the University of Colorado (USA). Joe’s research in mineralogy and crystal chemistry was central in starting a field of study dealing with the role of water in nominally anhydrous minerals and



DMG president Reiner Klemm and Joseph R. Smyth (Boulder, USA)

the global H₂O cycle. Joe is distinguished for his early prediction, nearly thirty years ago, that a high-pressure polymorph of olivine (Mg₂SiO₄) called wadsleyite, which is stable in the mantle transition zone (410–660 km depth) may contain the largest geochemical reservoir of H₂O on Earth. His idea had far-reaching implications for plate tectonics, mantle dynamics, and even the origin of water on Earth.

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 the prize is awarded to **Juliana Troch** (ETH Zürich, Switzerland). Juliana is working in the field of magmatic petrology and geochemistry. Her PhD investigated the processes that lead to the generation of low- $\delta^{18}\text{O}$ rhyolites in the central Snake River Plain of the Yellowstone volcanic field (USA). With the financial support of the prize, Juliana will study the oxygen isotope systematics of her rhyolite samples using the laser fluorination method in the Stable Isotope Laboratory at the University of Cape Town (South Africa).



DMG President Reiner Klemm and Juliana Troch (ETH Zürich)



Martin Kutzschbach (TU Berlin and GFZ Potsdam)

The **Paul Ramdohr Award** is given for the best student contribution at the previous year's annual meeting of the DMG. The 2016 awardee is **Martin Kutzschbach** (TU Berlin and GFZ Potsdam). The DMG honours his excellent presentation, "The Effect of Tetrahedral B on the B Isotope Fractionation between Olenitic Tourmaline and Fluid" at the 2nd European Mineralogical Congress (emc²⁰¹⁶), which was held in Rimini (Italy) in September 2016.

INAUGURATION OF THE DVGEO OFFICE



Giraffatitan brancai in the central atrium of the Museum für Naturkunde Berlin (PHOTO: A. DITTMANN, MUSEUM FÜR NATURKUNDE BERLIN)

In the central atrium of the Museum für Naturkunde Berlin, *Giraffatitan brancai* stands 13.27 metres tall, making it the tallest mounted dinosaur skeleton in the world. Here, in front of the dinosaurs, the German umbrella organization for the geosciences, DVGeo e.V. (Dachverband der Geowissenschaften), will hold a reception officially inaugurating its office, which is now located in the museum. The event will take place 1 February 2018. For more details, please see www.dvgeo.org.

GOOD MEETING

GeoZentrum Nordbayern, FAU Erlangen • 8–11 March 2017



Continuing the success of the 1st and 2nd Geology of Ore Deposits (GOOD) meetings in Freiberg (2016) and Hannover (2017), we would like to invite all young researchers in the field of ore deposit geology to GOOD Meeting 2018 (28 February–3 March) at the GeoZentrum Nordbayern (GZN) in Erlangen.

The now-annual GOOD conference aims to connect young professionals – BSc, MSc and PhD students, plus early career postdocs – from all disciplines in ore deposit geology. All participants will have the opportunity to present and discuss their research with an audience on a level playing field. Plenary speakers will be Dr. Andreas Audetat (Universität Bayreuth) and Dr. Thomas Angerer (Universität Innsbruck). The conference fee is €35. Nonlocal student members of DMG will be eligible for travel support to the amount of €50.

For further details, please contact Dr. Patrick Nadoll, Economic Geology Section, FAU Erlangen-Nürnberg, GeoZentrum Nordbayern at patrick.nadoll@fau.de or check the DMG website (working group: Rohstoffforschung).

Patrick Nadoll (Erlangen)

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 28 February–2 March 2018 in Bad Windsheim, in the northern region of Bavaria (Germany). As always, the major aim of this 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.

DMG SHORT COURSES 2018

In 2018, DMG will support at least seven 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 DMG will be eligible for travel support to the amount of €50. Further information can be found at www.dmg-home.org – Aktuelles – Doktorandenkurse.

- (1) **High-Pressure Experimental Techniques and Applications to the Earth's Interior.** Bayerisches Geoinstitut/University Bayreuth, Dr. Florian Heidelbach, 19–23 February 2018 (florian.heidelbach@uni-bayreuth.de)
- (2) **Radiogenic and Non-Traditional Isotopes: Analytical Methods and Applications.** Institute for Geosciences, Geozentrum Goethe University Frankfurt, Dr. Axel Gerdes, 6–9 March 2018 (gerdes@em.uni-frankfurt.de)
- (3) **Exploration Geology: Ore Deposit Geology, Alteration Geochemistry and Ore Interpretation, Exploration Geochemistry.** Institut für Geo- und Umweltwissenschaften, Albert-Ludwigs-Universität Freiburg (Germany), Prof. David Dolejš, Dr. Denis Schlatter, Katerina Schlögllová, Dr. Malte Junge, 19–22 March 2018 (david.dolejs@minpet.uni-freiburg.de)
- (4) **Solid-State NMR Spectroscopy** (Anwendungen der Festkörper-NMR-Spektroskopie in der mineralogischen und geowissenschaftlichen Forschung). Institute for Geology, Mineralogy and Geophysics, Ruhr University Bochum, Dr. Michael Fechtelkord, 22–25 May 2018 (michael.fechteltkord@rub.de)
- (5) **Application of Diffusion Studies to the Determination of Timescales in Geochemistry and Petrology.** Institute for Geology, Mineralogy and Geophysics, Ruhr University Bochum, Prof. Sumit Chakraborty, Dr. Ralf Dohmen, joint MSA–DMG short course, 1–5 October 2018 (sumit.chakraborty@rub.de)
- (6) **In situ Analysis of Isotopes and Trace Elements by Femtosecond Laser Ablation ICP-MS** (In situ-Analyse von Isotopen und Spurenelementen mit (MC-) ICP-MS gekoppelt mit Femtosekunden-Laserablation). Institute for Mineralogy, Leibniz University Hannover, Dr. Ingo Horn, Dr. Stephan Schuth, Dr. Marina Lazarov, Dr. Martin Oeser, Prof. Stefan Weyer and others, 8–12 October 2018 (s.weyer@mineralogie.uni-hannover.de)
- (7) **Introduction to Secondary Ion Mass Spectrometry in the Earth Sciences.** Helmholtz Centre Potsdam–GFZ German Research Centre for Geosciences, Dr. Michael Wiedenbeck, 1–2 October/November 2018 (michael.wiedenbeck@gfz-potsdam.de)

More short courses will be announced later!