



German Mineralogical Society

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DMG AWARDS FOR 2019



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 2019 medal is granted to **Donald B. Dingwell**, Professor of Mineralogy and Petrology at the Ludwig-Maximilians-Universität (LMU) of Munich (Germany). Don Dingwell has pioneered how to apply the mineralogical sciences to molten and glassy geomaterials. His work on the fundamental

nature and properties of silicate melts has laid a foundation for how to better quantify the dynamics and kinetics of magmatic processes. The field of volcanology has benefited greatly from applying his discoveries in melt physics to eruptive processes. Under his supervision, the fundamental origins of explosive volcanism have been addressed by experimental simulations and by the development of models that can predict the evolution of physical properties of partially molten systems during their ascent to the surface. Thanks to his work, and to the results of his whole research team at LMU, our understanding of how chemical and physical processes interact and so control magmatic and volcanic processes has been substantially improved.

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 was awarded to two individuals: **Ninja Braukmüller** (University of Cologne, Germany) and to **Laura Otter** (Macquarie University, Australia).

ANNUAL DMG MEETING 2020



For her PhD thesis, Ninja Braukmüller investigated the behaviour of volatiles in chondritic meteorites and the Earth. She has shown that carbonaceous chondrites display a “hockey stick” volatile element depletion pattern. There are indications that Earth exhibits a similar volatile element depletion pattern. With the prize money, Ninja will attend the next Goldschmidt meeting in Honolulu (Hawaii, USA) and combine this with a field trip to Hawaii’s active volcanoes.



Laura Otter’s thesis is entitled “Micro- to Nano-Scale Architecture and Aspects of Skeletal Growth in Marine Calcifiers”. Laura’s work offers new insights into shell architecture, growth dynamics at the submicron scale, and it furthers our understanding of the mechanical properties of different shell ultra-structures. With the prize, she is planning to finance scanning transmission X-ray microscopy experiments at the Advanced Light Source in Berkeley (California, USA). Also, she will present

her results in San Francisco (California, USA) at the Fall 2019 meeting of the American Geophysical Union.



The **Paul Ramdohr Award** is given for the best student contribution at the previous year’s annual meeting of the DMG. The 2018 awardee was **Anja Allabar** (University of Tübingen, Germany). The DMG honours her excellent presentation “Decompression Induced Phase Separation of Hydrous Vesuvius Melt: Vesicle Nucleation or Spinodal Decomposition?”, which was given at the GeoBonn conference in September 2018. The award was presented to her at the 2019 GeoMünster meeting, held 22–25 September in Münster (Germany).

The Third European Mineralogical Conference Cracow, Poland, 6 - 10 September 2020

emc² 2020
6 - 10 september

3rd European Mineralogical Conference
Cracow Poland

Registration opens: 1 March 2020

website: <https://emc2020.ptmin.eu/>

is organized by the **Mineralogical Society of Poland** on behalf of other European mineralogical societies:

- DMG** Deutsche Mineralogische Gesellschaft
- MinSoc** Mineralogical Society of Great Britain & Ireland
- MinSocFin** Mineralogical Society of Finland
- ÖMG** Österreichische Mineralogische Gesellschaft
- RMS** Russian Mineralogical Society
- SEM** Sociedad Española de Mineralogía
- SFMC** Société Française de Minéralogie et de Cristallographie
- SIMP** Società Italiana di Mineralogia e Petrologia
- SSMP** Swiss Society of Mineralogy and Petrology

with participation of:

- EMU** European Mineralogical Union

Under the theme: **Mineralogy in the modern world** the 3rd emc2020 will be focused on presenting current and future challenges in the Earth, planetary and environmental sciences and fostering an exchange of new views and research results between scientists from Europe and beyond. The main themes are: Advanced analytical techniques • Applied mineralogy • Archaeometry • Atomistic and thermodynamic modelling • Education and mineralogy • Environmental mineralogy and low T geochemistry • Experimental mineralogy and petrology • Geobiochemistry, geomicrobiology and biomineralogy • Geochronology • Magmatism and volcanology • Mantle petrology and geochemistry • Metamorphism • Mineral deposits and raw materials • Mineral diversity and evolution • Mineral physics • Mineralogical crystallography • Planetary materials and processes • Radioactive materials

The local organizing committee: Tomasz Bajda and Justyna Topolska.

Contact: emc2020@ptmin.eu