



CALORIMETRY IN THE GEOSCIENCES: THEORY, EXPERIMENT AND APPLICATIONS



Participants in the DMG short course Calorimetry in the Geosciences; missing: J. Majzlan and C. Geiger.

A DMG short course about calorimetric methods in the geosciences was held on 18–20 February 2013 in Jena, Germany. The organizers, Prof. Juraj Majzlan and Dr. Klaus-D. Grevel, had invited up to 20 participants to the Department of Mineralogy in the Institute of Geosciences at the Friedrich Schiller University Jena. Besides several German students, the course attracted international participants from Poland, the Czech Republic, Brazil, and China, as well as the lecturers Prof. Edgar Dachs, Dr. Artur Benisek, and Prof. Charles Geiger from the University of Salzburg, Austria.

The workshop opened with a welcoming address by the organizers and an introductory lecture on the thermodynamic concepts that are important for the understanding of calorimetric methods. This talk was followed by a description of the different calorimetric techniques and the associated equipment, including their operating procedures. Finally, applications for all the calorimetric methods presented were demonstrated.

Short breaks between the well-coordinated lectures made it possible to refresh with a cup of coffee or a snack and chat with colleagues. The course was suited to MSc and PhD students as well as postdoctoral researchers interested in calorimetric methods, but it was also accessible to other people. The only prerequisite was an elementary understanding of thermodynamics.

It should be noted that everyone was able to apply the knowledge gained to solution calorimetry. Each participant prepared a sample for a calorimetric experiment and performed the entire measurement procedure. The participants were shown how to derive the thermodynamic data from the measurements and how to use these data for calculating phase diagrams using the program TWQ.

In conclusion, this perfectly organized, enriching short course allowed all participants to learn more about calculating and interpreting mineralogical phase equilibria.

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EAG AT THE EGU GENERAL ASSEMBLY 2013

The EAG was once again present at the EGU General Assembly, held in Vienna, Austria, 7–12 April 2013. The EAG proudly co-sponsored 11 sessions in geochemistry and presented Eminent Speakers Awards to Nicolas Mangold (University of Nantes, France) and Osamu Abe (Nagoya University, Japan). This award is usually attributed to one or two prominent, mid-career scientists and comes with a €500 honorarium.

The EAG also had a booth, where delegates could find out more about the activities and membership benefits of the society and browse through *Elements* and *Geochemical Perspectives* publications. We would like to take this opportunity to thank all our visitors and welcome all the new members who joined during the General Assembly.



Nicolas Mangold (LEFT) receives the EAG Eminent Speaker Award at EGU2013 from Anders Meibom, EAG Program Committee co-Chair.



Osamu Abe (RIGHT) receives the EAG Eminent Speaker Award at EGU2013 from Anders Meibom, EAG Program Committee co-Chair.

