



# International Association of GeoChemistry

[www.iagc-society.org](http://www.iagc-society.org)

## PHD STUDENT RESEARCH GRANTS

IAGC announces the recipients of the 2013 IAGC-Elsevier Student Research Grants. This year we had, as usual, many strong research proposals from around the world. Thanks to Ian Cartwright and the Awards Committee, the 24 proposals were ranked and four were chosen for funding (see below). This was a particularly difficult decision to make, but IAGC is happy to help these four excellent students and grateful to Elsevier for providing much of the funding used to make the awards. Congratulations to our grantees! We wish all the students the best of luck as they complete their studies, and we look forward to welcoming all of you into the research community!



**Mark Torres**, University of Southern California – USA. US\$2000 for his work entitled “Identifying the mechanisms and limitations to the microbial enhancement of olivine dissolution”

**William Haskell**, University of Southern California, USA – US\$1500 for his work entitled “Use of triple oxygen isotopes and O<sub>2</sub>/Ar to constrain net/gross oxygen production during variable coastal upwelling”

**Chiara Borelli**, Rensselaer Polytechnic Institute, USA – US\$1500 for her work entitled “B/Ca as an ocean pH proxy: A new calibration study using cultured benthic foraminifera and synthetic calcite”

**Pieter Aukes**, University of Waterloo, Canada – US\$1000 for his work entitled “Use of LC-OCD analysis to characterize dissolved organic matter released from permafrost and its effect upon water quality”

## IAGC SESSIONS AT THE GSA ANNUAL MEETING

Celebrate the Geological Society of America’s 125<sup>th</sup> anniversary with the IAGC by submitting an abstract to an IAGC-sponsored topical session at this year’s annual meeting. The annual meeting will be held on 27–30 October 2013 in Denver, Colorado, and this year the IAGC is proud to cosponsor 8 topical sessions (listed below) across a wide variety of disciplines. Please consider submitting an abstract to one of our sessions, and don’t forget to stop by the IAGC booth in the exhibit hall.

### T79. Geochemical Mapping at Regional to Continental Scales

(Co-chairs: David B. Smith, Laurel G. Woodruff)

This session will focus on results from regional- to continental-scale geochemical-mapping studies conducted for either mineral exploration or environmental management. The emphasis will be on broad-scale studies, but we also welcome presentations from more local or site-specific investigations.

### T151. Biogeochemical Processes Affecting Metal and Metalloid Isotopes

(Co-chairs: David M. Borrok, Richard B. Wanty, Lev Spivak-Birndorf)

This session will explore biogeochemical processes that affect metal isotope ratios in field and experimental studies. Emphasis will be placed on understanding the biogeochemical processes involved and the mechanisms by which isotope fractionations are facilitated.

### T152. Celebrating the Scientific Contributions of Kirk Nordstrom—Part 1: Acid to Neutral Mine Drainage, Geochemistry of Iron and Sulfur, Sulfate Minerals, Natural Background, and Geochemical Modeling

(Co-chairs: Kate M. Campbell, Philip L. Verplanck, Charles Alpers, R. Blaine McCleskey)

This session honors the career achievements of Kirk Nordstrom, USGS hydrogeochemist, by exploring research on mine drainage and related studies, including iron and sulfur geochemistry, sulfate minerals, the natural background in mining environments, and geochemical modeling.

### T153. Celebrating the Scientific Contributions of Kirk Nordstrom—Part 2: Geochemistry of Arsenic and Antimony, Microbial Biogeochemistry, Geothermal Systems, Radioactive Waste Disposal, and Geochemical Modeling

This session honors the career achievements of Kirk Nordstrom, USGS hydrogeochemist, by exploring research on arsenic/antimony speciation and redox transformations, microbial biogeochemistry, geothermal systems, water-rock interactions, radioactive waste disposal, and geochemical modeling.

### T158. Geochemistry of Flowback and Produced Waters from Hydraulically Fractured Black Shale

(Co-chairs: Brian W. Stewart, Rosemary C. Capo, Carl S. Kirby)

This session solicits papers focused on produced water from hydraulic fracturing of shales, including variations in water chemistry over time and space, sources of dissolved solids, geochemical fingerprinting, and produced water biogeochemistry.

### T161. Hydrochemistry and Biogeochemistry of Tropical Mountainous Rivers and Estuaries

(Co-chairs: Steven T. Goldsmith, Russell Harmon, Ryan P. Moyer)

We encourage contributions that examine the hydrochemistry of tropical mountainous rivers and/or the biogeochemical cycling and fluxes, as well as paleorecords, of material delivered by tropical mountainous rivers and associated estuarine and coastal waters.

### T166. Sources, Transport, Fate, and Toxicology of Trace Elements and Organics in the Environment

(Co-chairs: David T. Long, LeeAnn Munk, W. Berry Lyons)

Basic and applied research on trace elements and organics in the environment are encouraged. Topics include those that relate to understanding and modeling sources, transport and fate, human and ecosystem health, and environmental assessment and remediation.

### T168. Urban Geochemistry

(Co-chairs: W. Berry Lyons, David T. Long)

This session encourages presentations that qualify and quantify the geochemical and biogeochemical impacts of urbanization and urban activities on soil, water, and air resources, as well as human and ecosystem health.

## GRANT APPLICATIONS FOR THE AIG 10 MEETING

Grants are available to students to cover their registration fees. Students from developing countries may also apply for accommodation support. In exceptional cases, well known researchers from developing countries can apply for registration fee support. The application deadline is July 15, 2013. Applications should be submitted electronically to Attila Demény ([demeny@geochem.hu](mailto:demeny@geochem.hu)).

Information can be found at <http://www.aig10.com>