Mineralogical Society of America and *Geochemical Society*

Short Course Announcement

High Temperature Gas–Solid Reactions in Earth and Planetary Processes

Dates Short Course sessions are Friday 10th August (evening) through Sunday 12th August 2018 (before the Goldschmidt Conference, 12-17 August 2018, Boston, MA).

Location Short Course sessions will be held on the 18th floor of the 10 Buick Street Conference Center, Boston University (BU), Boston, MA.

Convenors *Penelope L. King*, Australian National University, Research School of Earth Sciences, Bldg 142, Mills Rd, Canberra ACT 0200 Australia. penny.king@anu.edu.au

Terry Seward, Victoria University of Wellington, School of Geography, Environment and Earth, Cotton Building, Gate 7, Kelburn Parade, Wellington 6012 New Zealand. terry.seward@vuw.ac.nz

Short Course description

Gas mixtures play a crucial role in distributing elements between different parts of Earth and planet-forming systems over a range of settings and temperatures. Despite the fundamental role of gases in geochemical cycles, the study of gas-solid interactions at high temperature is an emerging field in earth sciences. Currently, this area of research is spread between volcanology, planetary science, economic geology, environmental science, chemical engineering, chemistry, and metallurgy. The aim of this short course is to share the different approaches in this rapidly developing area. We will cover experimental work; modelling approaches; atom-scale reaction mechanisms; thermochemical and kinetic investigations; observations from active volcanic systems; and evidence for these reactions in the solar system and beyond.

Table of contents for the volume

Accompanying Goldschmidt Meeting Session

04b- Gas-(Fluid)-Solid Reactions at High Temperatures and Their Importance in Earth and Planetary Systems

Fees

		on or before 6/01/2018	*after 06/01/2018*
Professional Registration:	Member ‡	$350	$450
	Non-member	$430*	$530*
Student Registration:	Member ‡	$250	$350
	Non-member	$270*	$370*
Speaker		no cost	no cost

‡ Mineralogical Society of America (MSA) and Geochemical Society (GS) members.
*includes 2019 MSA member dues and electronic access to *American Mineralogist*.

Registering Online course registration at https://msa.minsocam.org/shortcourses.html. Print registration forms are also available online, and from the MSA Business Office, 3635 Concorde Pkwy Suite 500, Chantilly, VA 20151-1110 USA. phone: +1 (703) 652-9950; fax: +1 (703) 652-9951; e-mail: jaspeer@minsocam.org. Registration forms with payment must be returned to the MSA Business Office. Space is limited and please RSVP. Registration fees will be partially refunded if cancellation is received in writing on or before 1 June 2018. All participants and speakers must register.

Practical Registration fee includes the following:

- MSA/GS two-day short course session
- *Reviews in Mineralogy and Geochemistry* volume
- Reception (Fri), Morning/afternoon refreshments and lunch (Sat and Sun)

Registration fee does not include lodging, other meals not specified, or other travel costs.

Recommended Lodging

10 Buick St, Boston University, Boston, MA 02215 is an air-conditioned, suite-style residence residence hall located near the short course site (see map). Each suite consists of four (4) single-occupancy bedrooms, common room, and two bathrooms. Suites will be maximized based on gender but special requests can be made to share your suite and Boston University will do their best to honor these requests. Parking and Dining hall meals are available for an additional purchase onsite at Boston University.

The reservation link is: http://stay.bu.edu/msa-shortcourse.bnb

A participant's stay can be extended for the duration of the Goldschmidt Conference but an additional reservation will be required. Please contact stay@bu.edu or 617-353-2238 about extending your stay or with other questions.

10 Buick St is just over 2 miles from The Goldschmidt Conference at the John B. Hynes Veterans Memorial Convention Center at 900 Boylston St, Boston, MA 02115

Hotel reservations should be made as soon as possible as hotels will be filling up for the Goldschmidt Conference.

Sponsors


10 Buick Street
Lot C-1
Lot C-2
Harry Agganis Way
Soldiers Field Rd
Boston University Police Department
Agganis Arena
10 Buick Street
Buick St
BU Grounds West
Boston University Fitness and Recreation Center
Boston University Dance Theatre Group
Commonwealth Avenue
Gaffney St
target school
Boston University Nutrition
Google
50 ft