



Mineralogical Society of America and Geochemical Society
Short Course Announcement



NON-TRADITIONAL STABLE ISOTOPES

Dates: Short Course sessions are Saturday and Sunday, 10-11 December 2016 (in conjunction with the American Geophysical Union's 49th Annual Fall Meeting, 12-16 December 2016).

Location: Short Course sessions will be held at Lawrence Berkeley National Laboratory (LBNL), Berkeley, CA. (Building 50 Auditorium)

Convenors: *Fang-Zhen Teng*, University of Washington, Department of Earth and Space Sciences, 4000 15th Avenue NE, Seattle WA 98195-1310 USA fteng@u.washington.edu

Nicolas Dauphas, University of Chicago, Department of Geophysical Sciences, 5734 South Ellis Avenue, Chicago IL 60637-5416 USA dauphas@uchicago.edu

James Watkins, University of Oregon, Department of Geological Sciences, 1275 E. 13th Avenue, Eugene OR 97403-1272 USA watkins4@uoregon.edu

Donald J. DePaolo, Lawrence Berkeley National Laboratory, Earth Sciences Division, 1 Cyclotron Rd Mail Stop 74R316C, Berkeley CA 94720-8266 USA djdepaulo@lbl.gov

Short Course description:

This Short Course will be accompanied by an AGU session to be announced.

Since the publication of *Geochemistry of Non-Traditional Stable Isotopes* in 2004 (v. 55 of *Reviews in Mineralogy and Geochemistry*), analytical techniques have significantly improved and new research directions have emerged in non-traditional stable isotope geochemistry. Invited speakers for this workshop will review the current status of non-traditional isotope geochemistry from analytical methods, theoretical, experimental studies to analysis of natural samples. In particular, important applications to cosmochemistry, high-temperature geochemistry and low-temperature geochemistry will be discussed. The volume will provide the most comprehensive review on non-traditional isotope geochemistry for high-level undergraduates, graduates and junior researchers who are interested in both theory and application of non-traditional stable isotope geochemistry.

Fees:		<i>on or before 9/01/2016</i>	<i>after 9/1/2016</i>
Professional Registration:	Member ‡	\$200	\$250
	Non-member	\$280*	\$330*
Student Registration:	Member ‡	\$150	\$200
	Non-member	\$170*	\$250*
Speaker		no cost	no cost

‡ Mineralogical Society of America (MSA) and Geochemical Society (GS) members.

*includes 2017 MSA membership dues and electronic access to *American Mineralogist*.

Registering: Online registration is 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: jasper@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 October 2016. All participants and speakers must register.

Practical: Registration fee includes the following:

- MSA/GS two-day short course sessions
- *Reviews in Mineralogy and Geochemistry* volume
- Meals: Morning/afternoon refreshments and lunch (Sat and Sun); dinner banquet on Saturday evening
- Round-trip shuttle transportation between the DoubleTree by Hilton Hotel at the Berkeley Marina, 200 Marina Blvd., Berkeley, California 94710, USA, phone: +1-510-548-7920 and Lawrence Berkeley National Laboratory, Building 50 Auditorium (pick-up from hotel in the morning and drop-off at hotel at the conclusion of the day)

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

Recommended Hotels:

- Berkeley Lab Guest House (located at Lawrence Berkeley National Laboratory), 1 Cyclotron Rd, Berkeley, CA 94720, Ph: (510) 495-8000
- DoubleTree by Hilton Hotel at the Berkeley Marina, 200 Marina Blvd, Berkeley, CA 94710, Ph: (510) 548-7920
(Note: LBNL shuttle transportation arranged for this hotel)

Hotel reservations should be made as soon as possible as hotels will be filling up for the AGU Fall Meeting.

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