

**SEG Sponsored Event at GSA 2010
Denver, Colorado USA**

Pre-Meeting 2-Day Short Course – October 29-30, 2010

#522. Environmental Geochemistry for Modern Mining

Fri.–Sat., 29–30 Oct., 8:00 a.m.–5:30 p.m. Limit: 120.

Fees (US\$)	Early (on or before 30 Sept.)		Late	
	SEG Member /	Nonmember	SEG Member /	Nonmember
Professional	\$395	\$495	\$495	\$595
Student	\$195	\$ 245	\$245	\$295

Online course registration through SEG only. For questions, please contact the SEG at seg@segweb.org, or by phone +1.720.981.7882.

Conveners: Bob Seal & Kirk Nordstrom

Instructors: Bob Seal, USGS; Kirk Nordstrom, USGS; Dirk Van Zyl, University of British Columbia; Carol Russell, USEPA; Rod Eggert, Colorado School of Mines; Kathy Smith, USGS; David Nimick, USGS; Geoff Plumlee, USGS; John Besser, USGS; Heather Jamieson, Queen's University; Kim Lapakko, Minnesota Dept. of Natural Resources; David Blowes, University of Waterloo; Devin Castendyk, SUNY - Oneonta; Chris Gammons, Montana Tech; Craig Johnson, USGS; Tanya Gallegos, USGS; Kate Campbell, USGS.

This short course examines and summarizes current techniques in environmental geochemistry as it relates to modern mining. Environmental geochemistry is an important aspect of all stages of modern mining from exploration through permitting, production, and closure. An evolving regulatory environment and innovations in mining and ore processing techniques necessitates an up-to-date, forward-looking approach to environmental geochemical issues related to mining. Topics will include baseline geochemical characterization; mineralogical and geochemical characteristics of mine wastes; geochemical foundations of current regulatory approaches; potential ecological and human health effects associated with mine waste and drainage; pit-lake water-quality prediction; and potential environmental effects associated with ore processing. Types of mines and waste materials include metal and uranium mines, underground workings, open pits, waste rock, slag, and tailings.

Cancellation Policy:

Full payment must accompany the registration form. Written cancellations must be received by October 1, 2010 to receive a refund, less 25% processing fee. After October 20, 2010 all fees are forfeited.