

## CSM-SEG Short Course – November 11-12, 2010

### *Porphyry Cu-Mo-Au and Related Epithermal Au Systems: Controls on Ore Formation from Plate to Vein Scales*

#### Course content

The course will cover the following main themes:

- 1. Arc magmatism:** including the generation of subduction and post-subduction magmas, slab melts (adakites), and the behaviour of chalcophile and siderophile metals.
- 2. Arc tectonics and magma emplacement:** including the role of tectonic stress and lithospheric structure on magma ascent and emplacement.
- 3. Upper crustal magmatic processes:** including the formation of upper crustal subvolcanic plutons and the formation of veins and breccias by volatile exsolution.
- 4. Porphyry-forming processes:** including details of volatile exsolution and composition, hydrothermal alteration, and vein paragenesis.
- 5. Epithermal and post-subduction deposits:** including the fumarolic and high-sulfidation environment, and distal low-sulfidation deposits; the formation of post-subduction deposits in collisional or rift settings, with examples from the Tethyan belt and SW Pacific.

#### Registration and Cancellation Policies

Early Registration Cutoff 10/18/10: Members (US\$ 350), Non-Members (US\$ 450), SEG Students (US\$ 150), Non-member Students (US\$ 200)

Late Registration: Members (US\$ 450), Non-Members (US\$ 550), SEG Students (US\$ 200), Non-member Students (US\$ 250)

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 22, 2010 all fees are forfeited.