

Why Mountains? Tales & Timescales of their Birth & Death

Saturday, September 12, 2009: 2146 Snee Hall

Organized by the Institute for the Study of the Continents (INSTOC) and the Department of Earth and Atmospheric Sciences (EAS), Cornell University, Ithaca NY



8:00-9:00	Continental Breakfast/Registration	Atrium, Snee Hall
9:00-9:10	Larry Brown (Cornell)	Opening comments
	Session I	Chair: Muawia Barazangi
9:10-9:40	Keynote: Peter Molnar (University of Colorado)	Mantle Dynamics and the Rise and Fall of Mountain Ranges
9:40-10:00	Chris Andronicos (Cornell)	The Birth, Life, and Death of North America's Largest Batholith: The Coast Mountains, British Columbia
10:00-10:20	Rob McCaffrey (RPI)	Mountain Building in Indonesia
10:20-10:40	Break	
	Session II	Chair: Matt Pritchard
10:40-11:00	Anne Meltzer (Lehigh)	Links between Lithospheric Structure and Topography in Southeast Tibet
11:00-11:20	Steve Roecker (Rensselaer Polytechnic Institute)	The State of the Upper Mantle Beneath an Active Intracontinental Orogen: Images of the Tien Shan
11:20-11:40	Eric Kirby (Penn State)	Mountain Building in Northeastern Tibet Associated with the Tip of the Kunlun Fault
11:40-12:00	Pat Bickford (Syracuse)	The Origin of Adirondack Anorthosite Massifs: Evidence from U-Pb, O, and Hf Isotope Studies of Zircons
12:00-1:30	Lunch & Poster Session	Atrium, Snee Hall
	Session III	Chair: Chris Andronicos
1:30-2:00	Keynote: Carmala Garzione (University of Rochester)	Diachronous Surface Uplift of the Andean Plateau Based on Clumped-Isotope Paleothermometry in the Northern and Southern Altiplano and Eastern Cordillera, Bolivia
2:00-2:20	Michael Hren (Yale)	Stable Isotopes & Organic Molecular Temperature Proxies to Reconstruct Paleoelevation in the Western U.S.
2:20-2:40	Peter Zeitler (Lehigh)	Old as the Hills: A Thermochronological View of the Birth and Death of Mountains
2:40-3:00	Frank Pazzaglia (Lehigh)	Post-orogenic Evolution of the Appalachians: A Study of the Decay Phase of Mountains
3:00-3:20	Break	
	Session IV	Chair: Larry Brown
3:20-3:40	Greg Hoke (Syracuse)	Paleoaltimetry in the Southernmost Central Andes
3:40-4:00	Sue Kay (Cornell)	Magmatism and the Uplift of the Andes
4:00-4:20	Terry Jordan (Cornell)	Multiple Constraints on the Uplift of the Central Andean Plateau
4:20-4:40	Tom Fournier (Cornell)	The Challenge of Measuring Andean Uplift in Real Time with Satellite Radar Interferometry
4:40-5:00	Open Discussion	