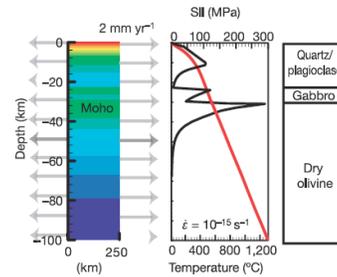


Strength and Composition of the Lower Continental Crust and Mantle Lithosphere

Saturday, September 25, 2010, 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 Cathles (Cornell)	Opening comments
9:10-10:25	Session I	Chair: Larry Brown
9:10-9:35	Suzanne Kay (Cornell)	The lower crust and lithosphere of the central Andes: A magmatic and seismic perspective
9:35-10:00	David James (Carnegie)	Formation and evolution of Archean cratons: Insights from southern Africa
9:00-10:25	Suzan Van Der Lee (Northwestern)	Structure and evolution of American lithosphere
10:25-10:55	Break and Poster Viewing	Atrium, Snee Hall
10:55-12:15	Session II	Chair: Matt Pritchard
10:55-11:20	Andy Freed (Purdue)	Inferring the rheology of the uppermost mantle from observed post-seismic surface displacements
11:20-11:45	John Platt (USC)	Grain size evolution and rheology of ductile shear zones: implications for the strength of the lithosphere
11:45-12:15	Keynote: Peter Molnar (University of Colorado)	The average rheological structure of continental lithosphere and major strike-slip faults
12:15-1:30	Lunch and Poster Viewing	Atrium, Snee Hall
1:30-2:45	Session III	Chair: Larry Cathles
1:30-1:55	Chris Andronicos (Cornell)	What can we learn about the middle and lower crust of orogenic belts from the detailed study of a few hand samples?
1:55-2:20	Djordje Grujic (Dalhousie)	Rapid syn-convergence exhumation of the lower crust: Insights from the elusive Himalayan eclogites
2:20-2:45	Michael Williams (UMass)	Spatial and temporal heterogeneity in the deep crust: New tools and new interpretations from North America's largest sample of continental lower crust, Athabasca Granulite Terrane, Canada
2:45-3:15	Break and Poster Viewing	Atrium, Snee Hall
3:15-4:30	Session IV	Chair: Muawia Barazangi
3:15-3:40	Robert Kay (Cornell)	Crustal creation and destruction: Processes and rates
3:40-4:05	Ben Holtzman (Columbia)	Corroding a continent from below: Are feedbacks among melt transport, melt-rock reaction and rheology active in the rifting process?
4:05-4:30	Jason Phipps Morgan (Cornell)	2D is not to be? Thoughts on modeling the mechanisms of arc volcanism, flow beneath arcs, and the consequences of uneven coupling between plates, cratons, and convecting mantle
4:30-5:00	Open Discussion	
5:00-8:00	INSTOC Picnic, Stewart Park	