



Cornell University

The Unknown Andes

INSTOC Workshop, Friday September 7, 2007

Room # 1146, Snee Hall



Organized by the Institute for the Study of the Continents (INSTOC)
Department of Earth and Atmospheric Sciences

Time		
8:00	Continental Breakfast	<i>Snee Atrium / Reading Room</i>
Session I	Chair: Muawia Barazangi	
8:30	Larry Brown	Introduction
8:40	Victor Ramos (Keynote) (University of Buenos Aires)	The Basement of the Central Andes (Peru-Argentina)
9:10	Sue Kay	Magmatism and Tectonics in the Andes: New Directions
9:30	Chris Andronicos	Large Scale Magmatic Inflation of the Middle Crust of Magmatic Arcs: Insights from the Coast Plutonic Complex, British Columbia, with A Comparison to the Andes
9:50	Terry Jordan	Water in the Andes: Geologic and Climatic Controls on a Diminishing Resource
10:10	Kodjo Attoh	The Trans-Brasiliano Lineament, Sahara Shear Zone and the Breakup of Gondwanaland
10:30	Break	<i>Snee Atrium / Reading Room</i>
11:00	Kerry Cook	Climate Change in South America: LGM and the Greenhouse Future
11:20	David Hysell	Jicamarca (Peru) and Opportunities for Atmospheric Research in South America
11:40	Larry Cathles	How Magma Chambers Lose Their Volatiles (Nearly Explosively) and Produce Porphyry-Type Mineral Deposits
12:00	Discussion	
12:20	Lunch	<i>Snee Atrium / Reading Room</i>
Session II	Chair: Larry Brown	
1:20	Eric Sandvol (University of Missouri)	Imaging Detached Lithosphere Beneath the Anatolian Plateau: Implications for the PUNA Seismic Experiment
1:40	Rainer Kind (Keynote) (GeoForschungsZentrum Potsdam)	What Can Receiver Functions Tell Us About the South American Lithosphere?
2:10	Neil McGlashan	Illuminating the Lithosphere with Deep Earthquakes in the Andes
2:30	Matt Pritchard	Volcanic Activity in the Andes: Building to Eruption or Building the Continental Crust?
2:50	Carmala Garziona (University of Rochester)	Resolving the Uplift History of the Andes
3:10	Break	<i>Snee Atrium / Reading Room</i>
3:30	Jack Loveless	Surface Cracks as a Record of Long-Term Segmentation of the Andean Plate Boundary
3:50	Rowena Lohman	Slow Earthquakes and Tectonic Tremor - Potential Research Targets in the Andes?
4:10	Stephanie Devlin	Deep Crustal Earthquakes and Lithospheric Rheology
4:30	Peter Nester	Subsurface Structures in the Andean Forearc and Their Relationship to Miocene Mountain Building of the Central Andes
4:50	Discussion	
5:30	Adjourn	