



**AndesFest 2023: Celebrating the Cornell Andes Project,
Suzanne Kay, Teresa Jordan, and Rick Allmendinger**

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

Friday, June 2, 2023

Reception and Posters in Atrium of Snee Hall, 6:00-9:00 pm (List of posters below)

Fritz Schlunegger (University of Bern)	On the mechanisms resulting in the formation of the Quaternary staircase terrace systems in the valleys of the western Andean margin of Peru
Teresa Jordan (Cornell)	Seeking Complete Histories of Andean Tectonics and South American Hydroclimate: Strategies Adapted to Varying Sedimentary Basins and Paleo-environmental Conditions
Rick Allmendinger (Cornell)	Career highlights
Suzanne Kay (Cornell)	Career highlights
Diego Lobos (Cornell)	EMPLACEMENT, GROWTH AND EVOLUTION OF THE CORDÓN CAULLE (CHILE) LACCOLITH FROM 2011 - 2022
Andrea Gomez-Patrón (Cornell)	Analyzing changing thermal features at Puyehue-Cordon Caulle, Chile using satellite, field, and drone observations
Elizabeth Eiden (Cornell)	Multiple spatial and temporal scales of deformation from geodetic monitoring point to active transcrustal magma system at Uturuncu volcano, Bolivia
Various	History of the Cornell Andes Project
Suzanne Kay (Cornell)	The Universidad de Buenos Aires-Cornell Field Camp (1996-2015)
Kiara Daly (Cornell)	Imaging structural heterogeneity around the Alaska-Aleutian megathrust using high-frequency P-to-S mode conversions

Saturday, June 3, 2023

8:00-8:45	Breakfast/Registration	Atrium, Snee Hall
Session I:	Chair: Matt Pritchard	Hollister B14
9:00-9:10	Introduction	Matt Pritchard, INSTOC Director
9:10-9:50	Manfred Strecker, University of Potsdam	Tectonics, topography and climate of the southern Central Andes
9:50-10:30	Victor Ramos, Universidad de Buenos Aires	The early days of the Cornell Andes Project and the impact on the understanding of the Andes
10:30-10:50	Break	
Session II:	Chair: Grace Barcheck	
10:50-11:20	Gabriel Gonzalez, Universidad de Católica del Norte	High Resolution Forearc Tectonics in Northern Chile: progress and new challenges
11:20-11:40	Jack Loveless, Smith College	Subduction zone coupling and margin-parallel shortening in the northern Chilean fore arc
11:40-12:00	Ernesto Cristallini, Universidad de Buenos Aires	Control of Neuquén Basin ancient structures on Andean and extra-Andean Cenozoic deformation, sedimentation and geomorphology
12:00-1:30	Lunch	Atrium, Snee Hall
Session III:	Chair: Bill White	Hollister B14
1:30-2:00	Patricia Sruoga, Servicio Geologico Minero Argentino	From Patagonia to the Andes, a magmatic journey
2:00-2:20	Alberto Saal, Brown University	Evidence of the South American Lithosphere Mantle beneath the Chile Mid-Ocean Ridge
2:20-2:40	Beatriz Coira, Universidad Nacional de Jujuy	Puna, its volcanoes in the framework of the tectonic evolution
3:20-3:40	Break	
Session IV:	Chair: Nicole Fernandez	
3:40-4:00	Greg Hoke, Syracuse University	The Andean retroarc foreland of Mendoza and San Juan: 40 years and counting

4:00-4:20	Claudio Latorre, Pontificia Universidad Católica de Chile	Late Quaternary Climatic Evolution of the Atacama Desert
4:20-4:40	Nicolás Cosentino, University of Milano-Bicocca, Italy	Andean mineral dust: From sources to sinks (and everything in between)
5:30-6:30	Reception/Drinks: Cash bar	Banquet attendees get 1 drink ticket Moakley House, Warren Road
6:30-9:00	Banquet	Extra fee applies. Moakley House, Warren Road

Sunday, June 4, 2023

8:00-8:45	Continental Breakfast	Atrium, Snee Hall
Session V:	Chair: Larry Cathles	Hollister B14
9:00-9:30	Peter Flemings, University of Texas, Austin	Stratigraphy + microbes + fluid flow = methane hydrate reservoirs
9:30-9:50	Felipe Aron, Universidad de Chile	The River Structure of Fault-Bounded Mountains Can Be Used to Inform Seismic Hazard Assessments
9:50-10:10	Brenhin Keller, Dartmouth College	An arc-informed perspective on the evolution of the continental crust
10:10-10:30	Tomas Zapata, Repsol	Cornell Andes Project and Hydrocarbons: Sue, Rick and Terry's footprint in some exploration projects throughout the Americas
10:30-10:45	Break	
10:45-11:05	Patrick Fulton, Cornell University	Feasibility of Geothermal heat in the Northeast: The Cornell University Borehole Observatory
11:05-11:25	Nestor Cardozo, University of Stavanger, Norway	Discrete element modelling of tectonic structures
12:25-12:35	Honorees	Comments from Suzanne, Rick and Terry
11:35-12:00	Open Discussion	Moderator: Larry Brown
12:15-1:30	Lunch/Picnic	Taughannock Falls State Park, Central Shelter. Park admission fee