

2017 Kaufman INSTOC Symposium

Tuesday, October 10, 2017
2146 Snee Hall

“HOW CONTINENTS BREAK:
Earthquakes, fault rocks and
rock mechanics”

Institute for the Study of the Continents and the Department of Earth and Atmospheric Sciences Cornell University,

8:00 – 9:00	Continental Breakfast/Registration	Atrium, Snee Hall
9:00 – 9:10	<i>WELCOME</i>	Matt Pritchard, INSTOC Director
	Session I: Overview	Chair: Muawia Barazangi
9:10 – 9:50	Keynote: Emily Brodsky, Oliver Visiting Professor (UC, Santa Cruz)	The Strength of Faults
9:50 – 10:20	Shmuel Rubenstein (Harvard)	Frictional slip on laboratory faults
10:20-10:50	Katie Keranen (Cornell)	Induced earthquakes
10:50-11:10	BREAK	
	Session II:	Chair: Larry Brown
11:10-11:40	Greg McLaskey (Cornell)	Subduction zone seismic asperities and conditional stability of faults
11:40-12:10	Jack Loveless (Smith College)	Styles of fault slip in Cascadia from the megathrust to the upper plate
12:10-12:40	Greg Hirth (Brown)	Earthquakes in subducting oceanic lithosphere – a case study for the application of lab-derived friction relationships
12:40-2:00	LUNCH AND POSTERS	Atrium, Snee Hall
	Session III:	Chair: Geoff Abers
2:00-2:30	Heather Savage (Columbia)	Earthquakes and fault mechanics
2:30-3:00	Jamie Kirkpatrick (McGill)	Fault zones and deformation structures in the field and lab
3:00-3:30	Rowena Lohman (Cornell)	The geodetic signature of human-induced earthquakes: what we can and can't detect, and what it means
3:30-4:30	Open Discussion and Synthesis	Moderator: John Thompson