

IRP SlowFault workshop - October 3-5 2023 - Châtenay-sur-Seine

Theme 1	Robust and common observations of aseismic slip across different tectonic contexts
Theme 2	Bridging experiments, observation and models to assess physical mechanisms of slow rupture modes

Monday			
18h30	Arriving on site (optional)		
19h30	Dinner		
Tuesday 3			
09h30 - 10h30	Welcome - installation		
10h30 - 11h00	Introduction	Mathilde Radiguet - William Frank	Introduction to the IRP Project and Objectives
11h00 - 11h30	Keynote	Alex Schubnel	Tremor like signal at in situ subduction zones PT conditions.
11h30 - 12h00	Keynote	Nikolai Shapiro	Comparative analysis of seismic tremors in tectonic and volcanic environments
12h00 - 12h30	Lighting talks 1	3 min pres. from Poster	
12h30 - 14h00	Lunch break		
14h00 - 14h30	Keynote	Dimitri Zigone	Glaciers and ice-sheets dynamics: constrains from geodetic and seismological observations
14h30 - 14h45	Short talk	Ayako Tsuchiyama	The systematic detection of intermediate-depth earthquakes within the Bucaramanga nest in Colombia
14h45 - 15h00	Short talk	Anne Socquet	Exploring slow slip beyond typical size and duration
15h00 - 15h30	Intro Brainstorming Topic 1	Mathilde Radiguet - Baptiste Rousset	Shared characteristics of aseismic slip across tectonic contexts - focus on geodesy
15h30 - 16h30	Brainstorming	(small groups)	Shared characteristics of aseismic slip across tectonic contexts
16h30 - 17h00	Break		
17h30 - 18h00	Lighting talks 2		
18h00 - 19h00	Poster sessions + Apero		
19h30	Dinner		
Wednesday 4			
09h00 - 09h30	Keynote	Olivier Lengliné	Global and local dynamics of a multi-contact slipping interface: insight from an analog experimental setup.
09h30 - 09h45	Short talk	Louise Maubant	The time dependence of plate coupling: an example from the Hikurangi margin
09h45 - 10h00	Short talk	Jorge Jara	A geodetic analysis of an aseismic slip event along the North Anatolian Fault
10h00 - 10h15	Short talk	Giuseppe Costantino	Detection and characterization of slow slip events in GNSS data with deep learning
10h15 - 11h15	Coffee break + Posters		
11h15 - 11h45	Keynote	Robert Viesca	Aseismic slip in response to fluid injection
11h45 - 12h00	Short talk	Bryan Raimbault	Imaging crustal deformation over the earthquake cycle in Hispaniola
12h00 - 14h00	Lunch		
14h00 - 14h30	Keynote	Marion Thomas	Seismic zones: the intertwined dynamics of the main fault plane and its host medium
14h30 - 15h00	Intro Brainstorming Topic 2	William Frank	Bridging observation and models to assess physical mechanisms - overview of mechanisms
15h00 - 16h00	Brainstorming session	(small groups)	Bridging observation and models to assess physical mechanisms of slow rupture modes
16h00 - 18h00	Free time		
18h00 - 19h00	Poster sessions + Apero		
19h30	Dinner		
Thursday 5			
09h00 - 09h30	Keynote	Leonard Seydoux	On the mutual information between seismic and geodetic data
09h30 - 09h45	Short talk	Luc Moutote	Evidence of an aseismic slip event continuously driving the 2017 Valparaiso earthquake sequence
09h45 - 10h00	Short talk	Diego Molina	Aseismic slip mode in the north of Chile
10h00 - 11h00	Coffee break + Posters		
11h00 - 11h30	Keynote	Rachel Abercrombie	Repeating earthquakes
11h30 - 11h45	Short talk	Qing-Yu Wang	What makes low-frequency earthquakes low frequency?
11h45 - 12h00	Short talk	Emmanuel Caballero Leyva	Revisiting the 2015 Mw=8.3 Illapel earthquake: Unveiling complex fault slip properties using Bayesian inversion
12h00 - 13h30	Lunch		
13h30 - 15h00	Global synthesis	all	
15h30	End of the workshop		
List of Posters			
	Caroline Mouchon		Impact of heterogeneous Green's function on the location of slow slip
	Émilie Klein		Slip modes in the Atacama segment of the Chilean subduction zone
	Emmanuel Caballero Leyva		Revisiting the 2015 Mw=8.3 Illapel earthquake: Unveiling complex fault slip properties using Bayesian inversion
	Erwan Pathier		Slow Slip events in the Mexican subduction zone: contributions from InSAR.
	Estelle Neyrinck		Creep dynamics along the Izmit segment of the North Anatolian Fault from FLATSIM InSAR time series
	Jade Eyles		Seismicity during the 2018 Mt. Etna flank eruption
	Jared Bryan		Pump-probe monitoring of the Mount St. Helens magmatic system using slow slip events and receiver functions
	Renier Ladron De Guevara Viltres		Present-day tectonics of northernmost Africa constrained by InSAR time-series
	Sylvain Michel		Modeling Slow slip events on the Hikurangi subduction zone using Independent Component Analysis
	Yuji Ito		Exponential moment release at the initiation of short-term slow slip events
	Zaccaria El Yousfi		Insights on along-dip fault transition zone rheology through LFE clustering