MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
7:30 Breakfast	*7:30 Breakfast*	*7:30 Breakfast*	*7:30 Breakfast*	*7:30 Breakfast*
⚠ Bring your sanitary pass (QR code). It will be checked at breakfast time 8:30 Welcome by organizing committee --- THE COMPLETE SLIP SPECTRUM *Observational Constraints* 8:45 keynote talk Whitney Behr Constraints from exhumed rocks on deep slow slip and tremor source processes and environment. 10:05 short talk Billy Andrews Using 3D seismic data to investigate long-term fault properties --- *10:20 coffee break* --- *Theoretical framework* 10:40 keynote talk S. Ide Broadband spectrum of slow earthquakes 12:10 panel-led group discussion 12:30 intro SIG and Tutorial	THE COMPLETE SLIP SPECTRUM 8:30 interm talk Asaf Inbal Probing the Roots of Crustal Faults with Dense Seismic Arrays 9:00 short talk Huihui Weng Slow slip events are regular earthquakes 9:15 short talk Mathilde Radiguet Slow slip scaling from systematic detection and characterization of slow slip fevents along the Mexican subduction zone 9:30 short talk JM. Noquet Diversity of slow slip events and seismic swarms along the South America subduction zone 9:45 Panel-led group discussion --- *10:20 coffee break* EARTHQUAKE NUCLEATION & TRIGGERING *Observational Constraints* 10:25 keynote talk Claudia Hubert Probing Earthquake Nucleation with Machine Learning 11:55 interm talk David Marsan Seismicity shadows, and what they reveal: The example of the 2019 Ridgecrest sequence 12:30 intro SIG and Tutorial	EARTHQUAKE NUCLEATION & TRIGGERING *Models: laboratory, numerical, empirical* 8:30 keynote talk Chris Marone Insights on Earthquake Nucleation from Slow Labquakes, Machine Learning Prediction of Lab Earthquakes 9:50 short talk Federica Paglialunga On the scale dependence in the dynamics of frictional rupture 10:05 panel-led group discussion --- *10:20 coffee break* --- 10:40 short talk Alisson Gounon Experimental observations of nucleation phase on heterogeneous fault 10:55 short talk Philippe Danré Fluid-induced anthropogenic and natural earthquake swarms driven by aseismic slip 11:10 interm talk D. I. Garagash Equation of motion for slip on faults with rate-and-state friction 12:00 short talk E. Bolotskaya Effects of Failure Parameterizations on Pre- and Co-Seismic Fault Rupture (1D Spring-Slider Model). 12:15 panel-led group discussion 12:30 intro SIG and Tutorial	THE EARTHQUAKE CYCLE *Observational Constraints* 8:30 keynote talk Anne Socquet Intriguing Observations of the long-term preparation of Subduction earthquake 9:50 short talk Yuji Itoh New Megathrust Locking Model for the Southern Kurile Subduction Zone Incorporating Viscoelastic Relaxation and non-Uniform Compliance of Upper Plate 10:05 short talk Zoe Mildon Variability in the earthquake cycle driven by stress changes; insights from the central Apennines, Italy --- *10:20 coffee break* --- *Theoretical framework* 10:40 keynote talk J-P. Ampuero Segmentation and rupture speed on long faults 11:45 short talk Jinhui Cheng The effect of complex fault geometry on rupture velocity and ground motion--Supershear rupture 12:00 short talk So Ozawa Strength of geometric barriers in simulated earthquake sequence 12:15 panel-led group discussion 12:30 intro SIG and Tutorial	SOCIETAL IMPLICATIONS *Cascading Hazards* 8:30 interm talk Alice Gabriel Supercomputing of multi-physics earthquake rupture processes and implications for tsunami dynamics *Anticipating earthquakes* 9:00 short talk Andrea Liccardi Instantaneous Tracking of Earthquake Growth Using Prompt Elasto-Gravity Signals and Deep Learning 9:15 short talk J. Bayona Prospective evaluation of multiplicative hybrid earthquake forecasting models in California 9:30 short talk K. Dascher-Cousineau Flexible and Scalable Earthquake Forecasting 9:45 interm talk Greg Beroza A risk-based approach for managing hydraulic fracturing–induced seismicity 10:20 short talk Shanna Chu Fault interactions enhance high-frequency earthquake radiation 10:40 panel-led group discussion --- 11:00 coffee break --- *Session for Early career participants* 11:30 Recent progress, pressing questions and future directions
12:35 lunch break	*12:35 lunch break*	*12:35 lunch break*	*12:35 lunch break*	*12:35 lunch break*

14:00 Seaside Special Interest Group (SIG) Discussions **Considering fault network properties and spatial heterogeneity in the seismic cycle** **(coord.: B. Andrews)**	14:00 Seaside Special Interest Group (SIG) Discussions **ML for earthquake science: recent advances and next steps** **(coord.: C. Hulbert and C. Marone)**	14:00 Hike	14:00 Special session on DAS **Intro to Distributed Acoustic Sensing with a focus on source studies and early warning** **(coord.: I. Lior)**	14:00 Seaside Special Interest Group (SIG) Discussions **Open science and reproducibility in practice** **(coord.: M. van den Ende)**
15:00 Hands-on Tutorial **Time dependent fault slip inversion of GNSS data** **(coord.: J-M. Nocquet)**	15:00 Hands-on Tutorial **QDYN software (coord.: M. van den Ende and J-P. Ampuero)**		15:00 Hands-on Tutorial **Distributed Acoustic Sensing with a focus on source studies and early warning (I. Lior)**	15:00 Hands-on Tutorial **HPC dynamic rupture modeling using SeisSol (A. Gabriel)**
15h45 Coffee break	15h45 Coffee break	15h45 Coffee break	15h45 Coffee break	16h00 Coffee break
Models: laboratory, numerical, empirical 16:00 keynote talk **Martijn van den Ende** **Microphysically based modelling of friction and earthquake** 17:20 short talk **Weiwei Shu** **Role of asperities on the transition from seismic to aseismic slip using an experimental fault slip system** 17:35 short talk **William Frank** **Reproducing the geodetic record of slow slip with low-frequency earthquakes** 17:50 10 lightning presentations (3 min/each) 18:20 **poster session** with drinks (Group I)	*Theoretical framework* 16:00 keynote talk **Bill Ellsworth** **Earthquake Nucleation** 17:20 short talk **François Passelègue** **On the nature of fault slip: insights from the laboratory** 17:35 short talk **Cedric Twardzik** **Seismic/Aseismic Slip Partitioning Prior the 2014 Iquique, Chile, earthquake** 17:55 panel-led group discussion 18:20 **poster session** with drinks (Group I)	18:00 10 lightning presentations (3 min/each) 18:30 **poster session** with drinks (Group II)	*Models: laboratory, numerical, empirical* 16:00 keynote talk **Ylona van Dinther** **Relations between short- and long-term fault mechanics** 17:20 short talk **Adam Beall** **Modelling viscous fault creep and the stress-dependence of earthquake statistics** 17:35 short talk **Giacomo Mastella** **Foamquake: insights into the megathrust seismic cycle using a novel analog model** 17:50 short talk **Alice Turner** **The role of partial ruptures in the observed moment-recurrence scaling of repeating earthquakes** 18:05 short talk **Meng Li** **Characteristics of earthquake cycles: comparison between quasi-dynamic and fully dynamic models, from 0D to 3D** 18:20 **poster session** with drinks (Group II)	MOVING FORWARD 16:20 Early career participant-led 17:50 Final remarks
			19:30 **Gala BBQ** (on-site) 21:30 Open seminar **Florentin Millour** **The new star maps**	20:00 Stargazing at sea (fee: 35€) return around midnight take warm clothes !

Poster sessions

Day 1 & Day 2	Giuseppe	Costantino	Machine Learning applied to the detection of Slow Slip Events
	Rene	Steinmann	Identifying slow and fast earthquakes in continuous seismic data with methods of unsupervised learning
	Caroline	Chalumeau	Repeating earthquakes cluster around the afterslip in the aftermath of the 16th April 2016 M7.8 Pedernales earthquake in Ecuador
	Travis	Alongi	Using Active Source Seismology to Image a Fault Damage Zone as a Function of Depth, Distance and Geology
	Hanaya	Okuda	Effects of smectite content and velocity on frictional behavior of volcanic glass smectite mixtures: implication for fault slip behavior in shallow subduction zones
	Audrey	Chouli	Seismicity and deformation in subduction zones: from intermediate-depth intraslab earthquakes to shallow megathrust events
	Céline	Hourcade	Characterization of seismicity in a stable continental region Application to the Armorican Massif
	Leoncio	Cabrera	The Nucleation Phase of the L'Aquila and Amatrice (Italy) Earthquakes
	Marion	Baques	Earthquake aftershock and swarm sequences in Ubaye Region (French Western Alps) highlights the triggering role of fluids
	Rosalie	Verwijs	Prediction of the Moment Tensor using Machine Learning Techniques.
	Luc	Moutote	Rare occurrences of non-cascading foreshock activity in Southern California
	David	Essing	Insights into a swarm-like sequence related to a Low Angle Normal Fault from a Seismic Catalog enhanced by Template Matching
	Roxane	Tissandier	The Mw 8.3 2015 Illapel afterslip imaged through a time-dependent inversion of continuous and survey GPS data
Day 3 & Day 4	Hugo	Sanchez-Reyes	Exploring complex normal faulting systems through physics-based dynamic rupture modeling
	Rebecca	Colquhoun	Using foreshocks, aftershocks and sequences to probe earthquake nucleation
	Raphael	Affinito	The role of stiffness and effective normal stress on laboratory slow-slip earthquakes
	Samson	Marty	Dominantly Aseismic Nucleation of Laboratory Earthquakes: A Quantitative Investigation
	Louise	Jeandet	Influence of pre-stress conditions in 2D plane strain simulations with off fault damage
	Chao	Liang	On the rare occurrence of supershear earthquakes on an elongated rate-and-state fault
	Joseph Michael	Flores Cuba	Fault damage zones enhanceearthquake rupture complexity over multiple cycles
	Martin	Colledge	Laboratory Periodic Seismicity
	Juliette	Cresseaux	Modeling of viscoelastic interactions of the South America subduction earthquakes: the case of the post-seismic phase of the Iquique earthquake
	Jannes	Münchmeyer	A probabilistic view of earthquake rupture predictability
	Reza	Esfahani	Ground Motion Simulation in Time-Frequency Domain Based on CGAN and Phase Retrieval
	Léo	Marconato	