

PSS Lab Retreat

Aussois 2025



23 - 26 march 2025



CAES du CNRS
Centre Paul-Langevin
24, rue du Coin
73500 Aussois

Lab Retreat PSS@ussois Winter 2025

	Sunday 23 March	Monday 24 March	Tuesday 25 March	Wednesday 26 March
8h45		Talks	Talks	
11h42	Departure from Gare de Lyon			
12h15		Lunch	Lunch	
12h30				Bus to the train station
14h03				Train to Paris
		Free time	Free time	
16h15	Bus to Paul-Langevin			
17h00		<i>ski resort closing</i>	<i>ski resort closing</i>	Science
	Chamber setting up			Meals
18h00	Welcome assembly			Free time
	Games & Apero	Posters session	Open discussions	Social event
19h30	Dinner	Dinner	Dinner	Travel time
	Free time at the bar (table tennis etc.)	VR Exploration		
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	Monday 24 March		Tuesday 25 March	
8h45	Introduction		Corentin Feray	
8h55	Ines Dahlia Ouar	Ionosphere	Stéphane Jacquemoud [Remote]	Earth & Moons RS
9h15	Clélia Maréchal		Yassine Boukhari	
9h35	Gabrielle Chabaud		Christos Ntinou	
9h55	Olivier Robert		Sébastien Rodriguez	
10h15	Break		Break	
10h30	Tanguy Nébut	Ingeneering	Lorraine Delaroque	Seismology
10h50	Sébastien de Raucourt		Antoine Lucas	
11h10	Jing Yang	Interior	Mingwei Dai	
11h30	Mark Wieczorek		Taichi Kawamura	
11h50	Mélanie Drilleau		Philippe Lognonné	
12h15	Lunch		Lunch	
	Free time		Free time	
18h00	Pierre-Yves Froissart	Posters session	Open Journal (M. Wieczorek / A. Lucas)	Open discussions
	Daniel Sheward		Communication support (A. Le Reun)	
	Boris Maletckii			
19h30	Dinner		Gala dinner	
20h30	VR Exploration (A. Lucas / S. Rodriguez)	Animation		
	Free time		Free time	

Author	Title	Contrib. type	Planets, Themes	
Corentin Feray	Study of the Impact of Sources of Variability on Soil Mineralogical Characterization Using Hyperspectral Imaging	Oral	Earth, Remote-Sensing	Earth & Moons Remote Sensing
Christos Ntinos	Super-resolution maps of icy moons: Application to the Cassini-VIMS observations of Enceladus	Oral	Icy moons, remote-sensing	
Yassine Boukhari	Sediment transport assessment in steep badland catchments, Draix, Alpes de Haute-Provence	Oral	Earth, Remote-Sensing	
Stéphane Jacquemoud	Remote sensing of Earth and planetary surfaces: the role of radiative transfer models	Oral (Remote)	Earth, Moon, Remote Sensing	
Daniel Sheward	Lunar Surface Impact Craters from Lunar Impact Flashes	Poster	Moon, Remote-Sensing	
Sébastien Rodriguez	The future of icy moons/ocean worlds exploration	Oral	Icy moons, remote-sensing	
Lorraine Delaroque	Assessing the Detectability of Titanquakes with the <i>Dragonfly</i> Seismometer	Oral	Titan, Seismology	Seismology
Antoine Lucas	Seismicity of avalanches....on Earth & Mars!	Oral	Mars, Seismology, remote-sensing	
Mingwei Dai	Numerical modeling the long period scattering features of marsquake S1222a	Oral	Mars, Seismology	
Taichi Kawamura	Opportunity from Far East for new generation of Planetary Seismology	Oral	Seismology	
Philippe Lognonné	Planetary seismology: from nowhere to everywhere.	Oral	Seismology, all planets	
Ines Dahlia Ouar	Automatic detection and relocation of ionospheric co-seismic disturbances (CSID)	Oral	Earth, Ionosphere	Ionosphere
Boris Maletckii	The 18 November 2023 Starship Flight and Explosions as Detected in the Ionosphere	Poster	Earth, Ionosphere	
Clélia Maréchal	Ionospheric detection of the first tsunami arrivals	Oral	Earth, Ionosphere	
Gabrielle Chabaud	IGOSat- Ionospheric and Gamma-ray observation satellite	Oral	Earth, Ionosphere	
Pierre-Yves Froissart	Airglow monitoring for seismology and geoscience: new perspectives for OH infrared radiation	Poster	Earth, Ionosphere	
Sébastien de Raucourt	LOVBB : the new generation planetary seismometer	Oral	Moon, Engineering, Seismology	Engineer
Olivier Robert	Sensors Activities @PSS: past - present and coming soon !	Oral	Engineering	
Tanguy Nébut	VBB11 officialy declared flyable for the Moon	Oral	Moon seismology, instrumentation	
Mélanie Drilleau	What do we know about the 1D structure of Mars and how can it be reconciled with multiple geophysical observables?	Oral	Mars, Seismology, interior	Interior
Mark Wieczorek	Investigating the history of the lunar dynamo using impact craters	Oral	Moon, magnetics	
Jing Yang	Porosity structures beneath the lunar impact basins revealed by GRAIL gravity data.	Oral	Moon, gravity	
Mark Wieczorek / Antoine Lucas	Creating a diamond open access journal for planetary science	Open Discussion	Open Journal	Discussions
Audrey Le Reun	IPGP/PSS webpages & communication support	Open Discussion	Team Communication	
Antoine Lucas / Sébastien Rodriguez	Exploring planetary landscape with VR technology	VR	VR Exploration	

Earth & Moons Remote Sensing

Yassine Boukhari	Sediment transport assessment in steep badland catchments, Draix, Alpes de Haute-Provence
Corentin Feray	Study of the Impact of Sources of Variability on Soil Mineralogical Characterization Using Hyperspectral Imaging
Christos Ntinos	Super-resolution maps of icy moons: Application to the Cassini-VIMS observations of Enceladus
Sébastien Rodriguez	The future of icy moons/ocean worlds exploration
Daniel Sheward	Lunar Surface Impact Craters from Lunar Impact Flashes
Stéphane Jacquemoud	Remote sensing of Earth and planetary surfaces: the role of radiative transfer models

Seismology

Lorraine Delaroque	Assessing the Detectability of Titanquakes with the <i>Dragonfly</i> Seismometer
Antoine Lucas	Seismicity of avalanches....on Earth & Mars!
Philippe Lognonné	Planetary seismology: from nowhere to everywhere.
Mingwei Dai	Numerical modeling the long period scattering features of marsquake S1222a
Taichi Kawamura	Opportunity from Far East for new generation of Planetary Seismology

Ionosphere

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Boris Maletckii	The 18 November 2023 Starship Flight and Explosions as Detected in the Ionosphere
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Gabrielle Chabaud	IGOSat- Ionospheric and Gamma-ray observation satellite

Ingeneering

Sébastien de Raucourt	LOVBB : the new generation planetary seismometer
Olivier Robert	Electronics and Sensors Activities @PSS: past - present and coming soon !
Tanguy Nébut	VBB11 officialy declared flyable for the Moon

Interior

Mélanie Drilleau	What do we know about the 1D structure of Mars and how can it be reconciled with multiple geophysical observables?
Mark Wieczorek	Investigating the history of the lunar dynamo using impact craters
Jing Yang	Porosity structures beneath the lunar impact basins revealed by GRAIL gravity data.

Open Discussion

Audrey Le Reun	IPGP/PSS webpages & communication support
Mark Wieczorek	Creating a diamond open access journal for planetary science

Zoom access

Topic: Lab Retreat PSS@ussois - 24/25 March 2025
Time: Mar 24, 2025 08:30 Paris
Join Zoom Meeting
<https://u-paris.zoom.us/j/85869425344?pwd=K6zu6ngMFjAGm125wUt14dPd0M1A.1>



Aussois downhill ski domain



Aussois nordic ski domain

