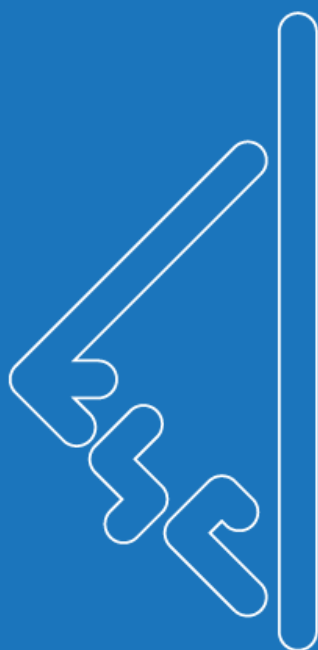


2019

16 Septembre
20 Septembre



**INSTITUT
D'ÉTUDES
SCIENTIFIQUES
DE CARGÈSE**



PASSIVE IMAGING 2019

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PASSIVE IMAGING 2019 - AGENDA

	16 Sept	17 Sept	18 Sept	19 Sept	20 Sept
8h30-9h30	Michel Campillo	Gregory Beroza	Mathias Fink	Yehuda Ben-Zion	William Kuperman
9h30-10h30	Ludovic Margerin	Maarten de Hoop	Andrew Curtis	Nikolai Shapiro	Chris Bean
10h30-11h	pause	pause	pause	pause	pause
11h-12h	Robert van der Hilst	Paul Johnson	Philippe Roux	Florent Brenguier	Léonard Seydoux Celine Hadziioannou
12h-12:30		POSTER discussion	POSTER discussion	Philippe Jousset	
12h30-13:30	Lunch break	Lunch break	Lunch break	Lunch break	Lunch break
13h30-14h	meeting with lecturers	meeting with lecturers	meeting with lecturers	meeting with lecturers	meeting with lecturers
14h-15h30		Thomas Lecocq	Aurelien Mordret & Malgorzata Chmiel	Aurelien Mordret & Malgorzata Chmiel	Philippe Guéguen Stefan Catheline
15h30-16h	pause	pause	pause	pause	pause
16h-16h30	Xiaofei Chen	Anne Obermann	Kasper van Wijk	Helle Pedersen	
16h30-17h	Huajian Yao	Christoph Sens-Schönfelder	Alison Malcolm	Bérénice Froment	
17h-19h	POSTER	POSTER	POSTER	BBQ	

PASSIVE IMAGING 2019 - AGENDA

Date	Speaker	Talk
16 Sept	Michel Campillo	Introduction
	Ludovic Margerin	"Scattering and absorption of seismic waves on Earth, Moon and Mars: a very preliminary comparative study."
	Robert van der Hilst	"New approaches to wavespeed monitoring and seismic tomography."
	Xiaofei Chen	"Dispersion curves of overtones extracted from seismic ambient noise data and corresponding inversion."
	Huajian Yao	"New techniques in seismic tomography and joint inversion".
17 Sept	Gregory Beroza	"Next Generation Earthquake Monitoring with Machine Learning."
	Maarten de Hoop	"Deep learning for identification and classification of seismic signals, of fault dynamics and waves."
	Paul Johnson	"Probing Fault Physics."
	Thomas Lecocq	"From Data To Cross-Correlation Functions."
	Anne Obermann	"Detecting and locating medium changes with scattered coda waves."
	Christoph sens-schoenfelder	"Fast observations of elastic property changes induced by cyclic strain."
18 Sept	Mathias Fink	"Reflection Matrix Approaches for Acoustic Imaging."
	Andrew Curtis	"Novel methods of Ambient Noise Tomography."
	Philippe Roux	"New trends toward seismic metamaterials."
	Aurelien Mordret & Malgarzata	"Introduction to Ambient Noise Surface Wave Tomography."
	Kasper van Wijk	"An overview of the use of laser ultrasonics to estimate the elastic properties of solid materials."
	Alison Malcolm	"Laboratory measurements of velocity changes in rock samples: the effect of applied load."
19 Sept	Yehuda Ben-Zion	"Properties and Dynamics of the Shallow Crust."
	Nikolai Shapiro	"Understanding weak seismic signals in different tectonic and volcanic environments."
	Florent Brenguier	"High Resolution Noise-based Seismic Monitoring"
	Philippe Jousset	"Fibre optic technologies: a state of the art and future directions for seismology and volcanology."
	Aurelien Mordret & Malgarzata	"Introduction to Ambient Noise Surface Wave Tomography."
	Helle Pedersen	"Seismic noise recorded at seismic stations: data quality control and the noise field in Europe."
	Bérénice Froment	"Interest of noise-based approaches in operational seismic hazard applications: a few examples."
20 Sept	William Kuperman	"Signal Processing for Underwater and Structural Acoustics."
	Chris Bean	"Microseism noise sources: origins and observations."
	Léonard Seydoux	"Unsupervised representation learning for clustering seismic signals in continuous records."
	Celine Hadziioannou	"Introduction to rotational seismology."
	Philippe Guéguen	"Imaging of civil engineering buildings using geophysical methods."
	Stefan Catheline	"From body-quake to cell-quake using passive elastography."