

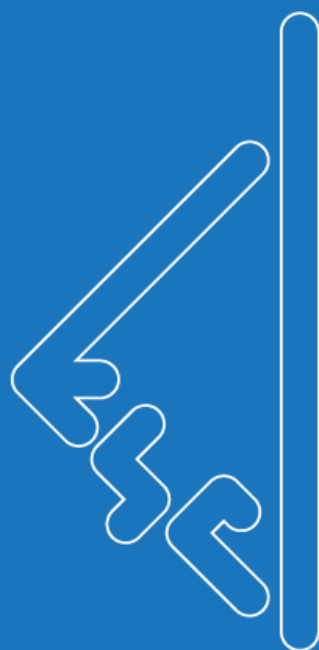
# 2019

20 Août

30 Août



**INSTITUT  
D'ÉTUDES  
SCIENTIFIQUES  
DE CARGÈSE**



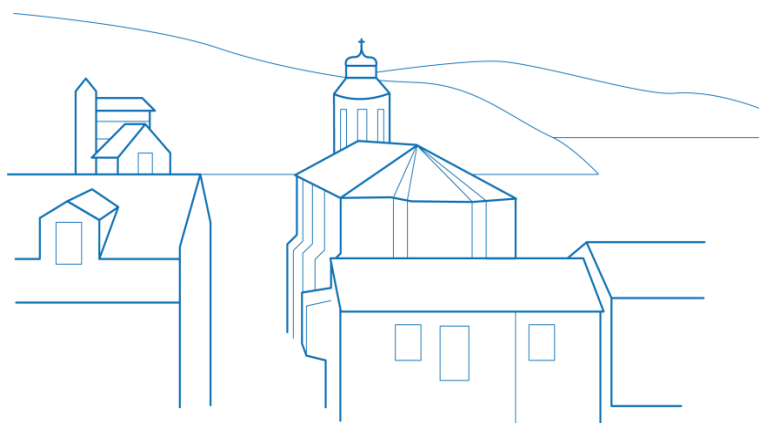
## PROPAGATION D'ONDES DANS LES MILIEUX MICRO-STRUCTURÉS

**Philippe PETITJEANS  
Agnès MAUREL  
ESPCI, Paris FR**

**Direction scientifique :**  
Fabrice Mortessagne

**Contact :**  
Dominique Donzella  
tél : 04 95 26 80 40

**[www.iesc.univ-corse.fr](http://www.iesc.univ-corse.fr)**



**Week 1: Homogenization**

	Monday, Aug. 19 <sup>th</sup>	Tuesday, Aug. 20 <sup>th</sup>	Wednesday, Aug. 21 <sup>th</sup>	Thursday, Aug. 22 <sup>th</sup>	Friday, Aug. 23 <sup>th</sup>
9:00		<b>Jean-François Mercier</b> Asymptotic Homogenization of Stratified Media 1/2	<b>Bérandère Delourme</b> The Modeling of Meta-Surfaces: Homogenization and Approximate Boundary Conditions 1/2	<b>Agnès Maurel</b> Classical Asymptotic Homogenization 1/2	<b>Sébastien Guenneau</b> Homogenization of Quasi-Crystals: a Two-scale Cut-and-Projection Method 1/2
10:00					
11:00		<b>Claude Boutin</b> Homogenization and Inner Resonances in Different Physical Contexts 1/2	<b>Habib Ammari</b> Wave Interaction with Subwavelength Resonators 1/2	<b>Bojan Guzina</b> On the Dynamic Homogenization at Finite Wavelengths and Frequencies: Dirac, Dirac-like, and almost-Dirac Points 1/2	<b>Kim Pham</b> Asymptotic Analysis of Arrays of Beams on the Top of an Elastic Half-Space 1/2
12:00					
			☺		
17:00		<b>Claude Boutin</b> Homogenization and Inner Resonances in Different Physical Contexts 2/2	<b>Bérandère Delourme</b> The Modeling of Meta-Surfaces: Homogenization and Approximate Boundary Conditions 2/2	<b>Agnès Maurel</b> Classical Asymptotic Homogenization 2/2	<b>Sébastien Guenneau</b> Homogenization of Quasi-Crystals: a Two-scale Cut-and-Projection Method 2/2
18:00		<b>Kim Pham</b> Asymptotic Homogenization of Stratified Media 2/2	<b>Habib Ammari</b> Wave Interaction with Subwavelength Resonators 2/2	<b>Bojan Guzina</b> On the dynamic Homogenization at Finite Wavelengths and Frequencies. . . 2/2	<b>Kim Pham</b> Asymptotic Analysis of Arrays of Beams on the Top of an Elastic Half-Space 2/2
19:00		<b>Welcome cocktail</b>			

**Week 2: Guided Waves**

	Monday, Aug. 26 <sup>th</sup>	Tuesday, Aug. 27 <sup>th</sup>	Wednesday, Aug. 28 <sup>th</sup>	Thursday, Aug. 29 <sup>th</sup>	Friday, Aug. 30 <sup>th</sup>
9:00	<b>Vincent Laude</b> Guided Waves in Phononic Crystals 1/2	<b>Julius Kaplunov</b> Long-Wave Propagation in Multi-Layered and Multi-Component Strongly Inhomogeneous Waveguides 2/2	<b>Pierre Delplace</b> Introduction to Topological Waves 2/2	<b>Yves Aurégan</b> Guided Waves & Flow Interactions 1/2	<b>Oscar Quevedo-Teruel</b> Lens Antennas and Transformation Optics
10:00					
11:00	<b>Julius Kaplunov</b> Long-Wave Propagation in Multi-Layered and Multi-Component Strongly Inhomogeneous Waveguides 1/2	<b>Hauke Gravenkamp</b> Numerical and Semi-Analytical Methods for the Simulation of Guided Waves 2/2	<b>Vincent Laude</b> Guided Waves in Phononic Crystals 2/2	<b>Oscar Quevedo-Teruel</b> Higher-Symmetric Structures	<b>Yves Aurégan</b> Guided Waves & Flow Interactions 2/2
12:00					
	☺				
17:00	<b>Hauke Gravenkamp</b> Numerical and Semi-Analytical Methods for the Simulation of Guided Waves 1/2	<b>Pierre Delplace</b> Introduction to Topological Waves 1/2	<b>Edward J. Brambley</b> Nonlinear Guided Waves 2/2	<b>Marco Miniaci</b> Topological Protection in Elastic Waveguides 2/2	
18:00	<b>Michele Brun</b> Compliance Near Zero Plates	<b>Edward J. Brambley</b> Nonlinear Guided Waves 1/2	<b>Marco Miniaci</b> Topological Protection in Elastic Waveguides 1/2	<b>Michael Nieves</b> Modeling the Response of Structured Gyro-Elastic Waveguides	
19:00		<b>BBQ</b>			