

INSTITUT D'ETUDES SCIENTIFIQUES DE CARGESE

Cargèse International School 2019

Wave Propagation in Complex and Microstructured Media

August 20 - 30, 2019

[Web site](#)

Philippe PETITJEANS

PMMH, CNRS, ESPCI, Paris

Agnès MAUREL

Inst. Langevin, CNRS, ESPCI, Paris



The aim of this school is to present the latest theoretical advances and experimental activities in the field of wave propagation in complex media, with a particular focus on wave guides in different contexts including the case of micro-structured media, typically metamaterials.

The main objective of the school is the pooling of knowledge in this domain so that participants can learn the formalisms - techniques - methods - tools from the different communities of wave physics and thus, enlarge their knowledge for their own research. The interdisciplinary nature of this school should generate exchanges and collaborations between the different communities involved in this subject.

The affected wave domains cover acoustics, elastodynamics, electromagnetism as well as water waves.

Main topics will include

- Dynamical homogenization
- Waveguides,
- Materials

Eminent scientists in the field will animate the school/workshop. These include:

Habib Ammari (ETH Zurich, Switzerland), Yves Aurégan (LAUM, Le Mans, France), Claude Boutin (ENTPE, Lyon, France), Edward J. Brambley (Univ. Warwick, UK), Michele Brun (Univ. Cagliari, Italy), Bérangère Delourme (Univ. Paris XIII, France), Pierre Delplace (ENS Lyon, France), Hauke Gravenkamp (Univ. Duisburg, Germany), Sébastien Guenneau (Institut Fresnel, Marseille, France), Bojan Guzina (Univ. Minnesota, USA), Julius Kaplunov (Keele Univ., UK), Vincent Laude (Femto, Besançon, France), Marco Miniaci (ETH, Zurich, Switzerland), Michael Nieves (Univ. Keele, UK), Oscar Quevedo-Teruel (KTH, Sweden)

Scientific and steering committee

Simon Félix (LAUM, CNRS, Le Mans Université), Agnès Maurel (Institut Langevin, CNRS, ESPCI, Paris), Jean-François Mercier (Poems, CNRS, ENSTA, INRIA, Palaiseau), Vincent Pagneux (LAUM, CNRS, Le Mans Université), Philippe Petitjeans (PMMH, CNRS, ESPCI, Paris)

Application and registration

https://pmmh.spip.espci.fr/?page=art-ss-menu&id_article=473

Contact : wave2019@espci.fr

Deadline : 2019 Juillet 20th