



Wave propagation in complex media

Focus on water waves

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The objective of this school is to present recent theoretical and experimental advances in the field of wave propagation in complex environments, with a specific focus on water wave propagation. The specific emphasis of this school will be to bring together the different scientific communities of wave physics, electromagnetism, mechanical/acoustical waves, water waves, and the community of applied mathematics in order to provide an assessment of the current state-of-the-art and stimulate discussion on some identifiable issues. It is envisaged that this will encourage interaction and significant collaboration of mutual benefit.

Main topics will include

Water waves, Multiple scattering, Periodic medium, Metamaterials

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

Gerassimos Athanassoulis, Yves Aurégan, Kostas Belibassakis, , Michel Benoit, Michael Berhanu, Amin Chabchoub, Didier Clamond, Pablo Cobelli, Didier Felbacq, Mathias Fink, Sébastien Guenneau, Diane Henderson, Christian Kharif, Olivier Kimmoun, Philippe Lalanne, Paul Milewski, Bernard Molin, Richard Porter, Vincent Rey, Philippe Roux, George Tsironis

Academic researchers, Ph.D. and post-doctoral students are encouraged to participate. During the two weeks, courses will be taught by a number (10-12) of specialists. Each course will be 1h30 long, with the aim of stimulating exchanges and discussions among participants. Most of the classes are scheduled in the morning and late afternoon. Less formal meetings, as well as poster sessions, are scheduled during the two weeks. Young scientists will also have the opportunity to briefly present their work, questions and results.

Organization Committee

Simon Félix, LAUM, Univ. du Maine, Le Mans, France
Agnes Maurel, Institut Langevin, ESPCI, Paris France
Jean-François Mercier, Poems, ENSTA, Paris France,
Abdelwaheb Ourir, Institut Langevin ESPCI, Paris France
Philippe Petitjeans, PMMH ESPCI, Paris France,
Olivier Richoux, Univ. du Maine, Le Mans, France

Application and registration

<http://www.iesc.univ-corse.fr/fr/participation/inscriptions-en-ligne/>