WAVES: waves and waveform imaging
in virtual and experimental environments
an innovative training network of the European Union

http://hestia.lgs.jussieu.fr/~boschil/waves.html

A Marie-Curie innovative training network, such as WAVES, provides funding for a number of graduate students working on related research projects within a new and expanding field. Their doctoral studies are co-supervised by a number of international partner institutions. WAVES specifically involves the multidisciplinary applications of the physics of wave propagation and wave-based imaging in fields as diverse as bio-medical imaging, seismology, acoustics, resource exploration. **Fifteen Ph.D. students will be recruited** in 2015, and will be fully funded by WAVES for three years. **Funding includes a competitive Marie-Curie level salary plus significant mobility and family allowances**, and WAVES-related travel expenses to promote collaboration between partners. Graduate students are expected to spend time at more than one partner institution, and a number of workshops will be organized around Europe. **Applications are welcome from perspective graduate students in all fields of quantitative science and are due by April 1st, 2015**. Applications can be E-mailed to any of the scientists in charge listed below, or, if you do not have a preference for any of the specific themes we propose, to the network coordinator. They should include your CV, the name and contact information of one or two referees, and a brief statement of purpose. A Master's degree must be awarded to candidates by the time of recruitment, but not necessarily by the time of application. For more information, please consult the project descriptions linked below, and/or contact the network's coordinator Lapo Boschi at UPMC Paris, (lapo.boschi [at] upmc.fr), or the scientist-in-charge at any one of WAVES' partner institutions:

Lapo Boschi (lapo.boschi [at] upmc.fr), UPMC Paris.
Themes: scattering and interferometry; acoustic source localization.

Johan Robertsson (johan.robertsson [at] erdw.ethz.ch), ETH Zurich.
Themes: data-driven focusing; acoustic time reversal; acoustic shielding.

Andrew Curtis (Andrew.Curtis [at] ed.ac.uk), University of Edinburgh.
Themes: the multiply-scattered coda; real-future fracturing prediction.

Boerge Arntsen (borge.arntsen [at] ntnu.no), NTNU Trondheim.
Themes: wave-borehole interaction; marine seismics/acoustics.

Kees Wapenaar (C.P.A.Wapenaar [at] tudelft.nl), Delft University of Technology.
Themes: multiple scattering imaging; ocean and atmosphere.

Tarje Nissen-Meyer (tarjen [at] earth.ox.ac.uk), University of Oxford.
Themes: numerical modeling.

Dimitri Komatitsch (komatitsch [at] lma.cnrs-mrs.fr), CNRS, LMA Marseille.
Themes: numerical modeling in acoustics and marine seismics.

Stefan Catheline (stefan.catheline [at] inserm.fr), INSERM and LabTau Lyon.
Themes: elastography and seismology.

Ivan Vasconcelos (IVasconcelos2 [at] slb.com), Schlumberger, Cambridge.
Themes: virtual sources by focusing.

Philippe Roux (philippe.roux [at] ujf-grenoble.fr), CNRS, ISTERRE, Grenoble. Themes: scattering and interferometry; elastography and seismology

Julien de Rosny (julien.derosny [at] espci.fr), EPSCI, Institut Langevin, Paris. Themes: scattering and interferometry

Celine Hadziioannou (celine.hadziioannou [at] geophysik.uni-muenchen.de), Munich University. Themes: real-future fracturing prediction; ocean and atmosphere