

# HPC-GA PROJECT

Second WORKSHOP

March  
11-15, 2013



<https://project.inria.fr/HPC-GA/>



The second Workshop of the HPC-GA Project will be held in the Basque Center for Applied Mathematics, in March, 11 – 15, 2013 in Bilbao. The workshop will bring together researchers involved in the large-scale simulation of geophysics phenomenon.



The EU funded HPC-GA project concerns numerical modelling and high performance computing of geophysical waves propagation in solids and fluids. The goal of this workshop is to address the ongoing research by the members of the network ( INRIA (France), BCAM (Basque Country), ISTerre (France), BRGM (France), UNAM (Mexico) and UFRGS (Brazil) ) but also to be a meeting point for other scientists in Basque Country and Europe employing HPC resources in other fields. The topics that will be addressed in the workshop cover numerical methods, performance optimization of waves simulation in time and frequency domains, parallelism with runtime systems, seismic ground motion, fluid-structure coupling, scalability of elastodynamics equations on multicore architectures, ocean wave modelling and prediction, data mining, etc.



## Organizing Committee

**Jean- Francois Méhaut** (INRIA, France) , **Enrique Zuazua** (BCAM),  
**Elena Akhmatskaya** (BCAM), **Julien Diaz** (INRIA, France), **Leandro Farina** (UFRGS/BCAM)



## Speakers

**Elena Akhmatskaya** (BCAM, Basque Country)  
**Ana M. Aransay** (BioGUNE, Basque Country)  
**Emilio Artacho** (NanoGUNE, Basque Country)  
**Giannis Ashiotis** (INRIA Grenoble, France)  
**François Broquedis** (INRIA, Grenoble, France)  
**Emmanuel Chaljub** (ISTerre, France)  
**Victor M. Cruz-Atienza** (UNAM, Mexico)  
**Julien Diaz** (INRIA, Pau, France)  
**Fabrice Dupros** (BRGM, France)  
**Leandro Farina** (UFRGS, BCAM, Brazil)  
**Vala Hjorleifsdottir** (UNAM, Mexico)

**Fernando J. Méndez** (IH, Cantabria, Spain)  
**Jose M. Mercero** (UPV/EHU, Basque Country)  
**David Michea** (BRGM, France)  
**Edie Miglio** (Politecnico di Milano, Italy)  
**Eduardo Ogando** (UPV/EHU, Basque Country)  
**Eneko Pérez** (BCAM, Basque Country)  
**Victor Peron** (INRIA, Pau, France)  
**Josué Tago** (ISTerre, France / UNAM, Mexico)  
**Rafael Tesser** (UFRGS, Brazil)  
**Enrique Zuazua** (BCAM, Basque Country)

