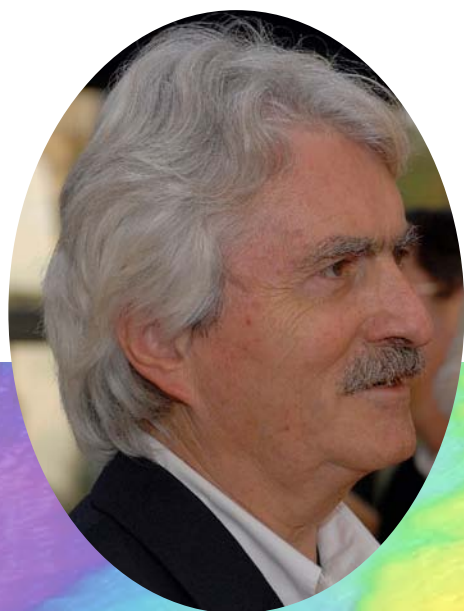


# GEOCEAN

## Symposium Jean Francheteau & Summer School August 27-31, 2012 - Brest, France



### Geodynamic processes and biochemical interactions at seafloor spreading ridges

#### A symposium in tribute to Jean Francheteau

Jean Francheteau, Professor at the University of Brest and deceased in July 2010, was one of the privileged witnesses and actors in the elaboration of the theory of plate tectonics and in the exploration of the mid-ocean ridge system. This symposium is an opportunity to recall the eminent scientific stature of Jean Francheteau and, in a historical perspective, to review the state of the art on some of his favorite research areas.

#### Summer School

The Summer School is intended to provide participants with an overview of knowledge and challenges on our understanding of geodynamic processes and biochemical interactions at seafloor spreading ridges, a rapidly expanding research domain (mineral resources, global budget, deep biosphere, ...).

This summer school will specially focus on:

- geodynamical and petro-geochemical processes at seafloor spreading ridges;
- ridge-flank processes in volcanic oceanic crust;
- fluid-rock interactions, and geochemistry of seafloor hydrothermal systems;
- *in-situ* observation of physical, geochemical and biological processes at the seafloor;
- geobiological interactions, ecosystems and microbial diversity.

Technical training sessions will also be provided on data acquisition at sea (logging, geophysics, coring), on petrological, geochemical and biological observation (rock description, mass spectrometer analyses, *in-situ* microbiology, ...) and on job and funding opportunities.

#### Invited speakers:

##### Symposium

xavier Le Pichon (Collège de France)  
Robert Ballard (URI Center for Ocean Exploration)  
Jason W Morgan (Princeton University)  
Pierre Choukroune (Université Aix-Marseille)  
Richard Gordon (Rice University)  
Catherine Mével (IPG Paris)  
Paul Tapponnier (Earth Observatory of Singapore)  
Emile Okal (Northwestern University)  
Michel Diament (IPG Paris)  
Francis Albarède (ENS Lyon)  
Thierry Juteau (Université de Brest)  
Richard Hey (University of Hawaii)  
Mathilde Cannat (IPG Paris)  
Michael Perfit (University of Florida, Gainesville)  
Claude Jaupart (IPG Paris)

##### Summer School

Michael Perfit (University of Florida, Gainesville)  
Katrina Edwards (University of Southern California)  
Benoit Ildefonse (Geosciences Montpellier)  
Wolfgang Bach (University of Bremen)  
Brandy Toner (University of Minnesota, St Paul)  
Brian Glazer (University of Hawaii)  
Margaret Tivey (WHOI)  
And a team of experts from Ifremer, CNRS and the University of Brest:  
Yves Fouquet, Anne Godfroy, Pierre-Marie Sarradin, Ewan Pelleter, Stefan Lalonde, Christophe Hémond, Gilles Chazot, Anne Deschamps, Marcia Maia, Jean-Yves Royer and Olivier Rouxel

##### Organizers

Jean-Yves Royer  
Olivier Rouxel  
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Information & registration: <http://geocean.sciencesconf.org>