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Age: 24

Vincent Clerc

Ph. D. Student in Seismology/Acoustics

Experience

- 2012–2015 **Green's function retrieval in a scattering medium**, *Ph. D. thesis*.
P. Roux, M. Campillo & R. Maynard, ISTERre.
 - Development of a **theoretical** framework.
 - Application to **numerical simulations** and **field data**.
- 2012 **Sound-vortex interaction: experimental approach**, *Master thesis*.
P. Roux, ISTERre.
 - **Experimental** study at an ultrasonic scale.
- 2011 **CHAMP thermosphere data analysis**, *1 month internship*, C. Lathuillère, IPAG.
- 2011 **Study of the Bullard's dynamo**, *1 month internship*, P. Cardin, ISTERre.
- 2010 **Paleontological field work**, *1 month volunteering*, J. M. Mazin, UCBL.
- 2009–2015 **Tutoring & teaching**, *Mathematics, Physics, Fluid mechanics & thermodynamics..*

Education

- 2012–2015 **Ph. D.: Seismology/Acoustics**, *Université Joseph Fourier*, Grenoble.
- 2010–2012 **Master: Geophysics**, *Université Joseph Fourier*, Grenoble.
- 2007–2010 **Bachelor: Geology/geophysics**, *Université Claude Bernard*, Lyon.

Languages & Computer skills

- Languages **English.** *Good level*
Spanish. *Basic skills.*
- Programming **Matlab, Shell scripting.** *Advanced skills : several projects.*
C++, Python. *Basic skills.*
- Softwares **Mathematica, Simulink, COMSOL.**

Interests

- Music Guitar (11 years), Bass & keyboard, Home studio : composition & recording (5 years)
- Mountain Hiking, Snowshoeing, Rock-climbing

Publications

J. Chaput, V. Clerc, M. Campillo, P. Roux, and H. Knox. On the practical convergence of coda-based correlations; a window optimization approach. *Journal of Geophysical Research*, submitted:0, 2015.

Communications

V. Clerc, P. Roux, M. Campillo, and R. Maynard. Using the seismic coda as ambient noise ? In Ambient noise imaging and monitoring workshop, 2013.

V. Clerc, P. Roux, M. Campillo, and R. Maynard. Estimation of the mean free path using cross correlations in the seismic coda. In American Geophysical Union, 2014.

V. Clerc, P. Roux, M. Campillo, and R. Maynard. Temporal behavior cross correlations in the seismic coda. In Ambient noise imaging and monitoring workshop, 2015.