

Fabien TERNAT

Generalist engineer
Ph-D in Mechanics

Age: 29 (born on 3/12/1979)
French citizen
Marital status: single



Professional experience:

- 2008–2009 **Universidad Técnica Federico Santa María,** **Valparaíso, Chile**
SCAT project (Univ. Bristol), ALFA European program.
Manager and research engineer in economy (spatial wealth condensation) and applied mathematics (inverse problems and computational engineering).
- 2007 **St Exupery Secondary school** **Bedarrides, France**
Teacher in mathematics.
Cours Diderot **Aix-En-Provence, France**
Teacher in physical sciences.
IRPHE/IRSN **Marseille/Cadarache, France**
Communication: redaction of scientific publication, seminars.
- 2003–2006 **IRSN** **Nuclear Center of Cadarache, France**
Research engineer on contaminant transfers in freshwater ecosystems.
Parameterization of a computational code of radionuclide transfers.
Member of the PPF Erosion, Sedimentation and Slips, the European Network BIOFLOW (6th European PCRD), European Working Group on Internal Erosion (ERINOH project).
- IRPHE** **Marseille, France**
Qualification of the open channel flume HERODE (PIV, LDV, Hot-wire).
- Ecole Centrale de Marseille** **France**
Supervisor of students for training courses in fluid mechanics.
- 2002–2003 **IRPHE/IRSN** **Marseille/Cadarache, France**
Team worker in turbulence: parameterization of a computational code for pollutants transfers.
- ETSI Aeronauticos, Universidad Polytechnica** **Madrid, Spain**
Team worker for experiments and modelling of the aerodynamic characteristics of a wing profile.

Education:

- 2003–2007 **University of the Mediterranée** **Marseille, France**
Ph-D in Mech. Eng.: "Erosion of self-weight consolidated cohesive sediments".
- 2000–2003 **Ecole Centrale de Marseille (formerly ESM2)** **Marseille, France**
MSc in Mechanical Engineering.

Skills:

Programming: C, Matlab, Scilab.
Engineering Softwares: Fluent, Gambit.
Team working, in field, at laboratory and modeling in sedimentology, velocimetry (PIV, LDV, hot-wire).
Languages: English (fluent), French (native), Spanish (advanced), Portuguese (basic).

Publications:

4 publications in refereed journals.
5 publications in conference proceedings.