

Frédéric Labat

WORK EXPERIENCE AND VISITING POSITIONS

Current, from SEPT. 2010

Maître de Conférences (Assistant Professor)
at ENSCP, Paris (France)

Prof. Adamo research group

Fuel cells, Dye-sensitized solar cells, DFT applications

SEPT. 2009 – AUG. 2010

ATER at ENSCP, Paris (France)

Prof. Adamo research group

Fuel cells, Dye-sensitized solar cells

JUNE 2009 – AUG. 2009

GIFU UNIVERSITY, Gifu (Japan)

JSPS Fellowship, Prof. Yoshida research group

Dye-sensitized solar cells

MARCH 2009 – MAY 2009

RICE UNIVERSITY, Houston (USA)

Visiting scholar, Prof. Scuseria research group

Non-local exchange and molecular crystals: the case of ice

OCT. 2008 – SEPT. 2009

Post-doctoral fellow at ENSCP, Paris (France)

Prof. Adamo group

Development and optimization of dye-sensitized solar cells.

SEPT. 2007 – AUG. 2008

ATER at UNIVERSITÉ DE PAU, Pau (France)

Prof. Pouchan research group

Adsorption of extraterrestrial molecules on ice.

PUBLICATIONS AND PRESENTATIONS

15 works in international peer-reviewed journals

6 poster presentations at international conferences

5 talks at international conferences

COMPUTER SKILLS

CODES: CRYSTAL, GAUSSIAN, VASP, HYPERCHEM

OS: LINUX, Mac, Windows

PROGRAMMING: C/C++, FORTRAN, Turbo Pascal, L^AT_EX

Born in Pau (France) — November 20, 1980

Current position:

MAÎTRE DE CONFÉRENCES (Assistant Professor)

LECIME – MSC – ENSCP

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EDUCATION

2007 PhD in QUANTUM CHEMISTRY
Université Pierre et Marie Curie, Paris

2004 Master of Science in QUANTUM CHEMISTRY
Université Pierre et Marie Curie, Paris

2004 Diplôme d'ingénieur
ENSCP, Paris

EXPERTISE

Density Functional Theory

Time-Dependent Density Functional Theory

Solid State

Dye-sensitized Solar Cells

LANGUAGES

FRENCH Mother tongue

ENGLISH Very good

SPANISH Basic Knowledge

JAPANESE Basic Survival phrases

INTERESTS AND ACTIVITIES

Live Music recordings

Retro arcade video games

Piano (11 years), Guitar

Badminton, Artistic gymnastics (11 years)