

Curriculum Vitae

Name **Olivier DEMICHEL** Sex: **Male**
Address **47 cours de la libération** Nationality: **French**
38000 GRENOBLE, FRANCE Age: **26**
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Personnal: olivier.demichel@gmail.com
Marital status **Single**
Date of birth **4th januar 1983**

Ph. D Student, Normalien, Teacher

EDUCATION :

Since 11/2006 *Ph.D CEA-Grenoble* : « Study of the electronic states of Silicon Nanowires »

2003-2007 *ENS*
Student at the « Ecole Normale Supérieure » a graduate school of physics
Address 45 rue d'Ulm, 75005 Paris, France
<http://www.ens.fr>
Degree Master level degree obtained in July 2006

2002-2003 *Louis le Grand* CPGE
Description : Intensive university-level preparation for the nationwide competitive entrance exams for the graduated engineering schools

2000-2002 *Janson de Sailly* CPGE
Description : Intensive university-level preparation for the nationwide competitive entrance exams for the graduated engineering schools

1999-2000 *Baccalauréat S*
Description : French secondary school scientific diploma (A-Levels)

LANGUAGES :

French	Mother tongue	Italian	Working knowledge
English	Working knowledge	German	Basic skills

WORKING EXPERIENCE:

Academic research:

Since November 2006 : CEA/ INAC/SP2M/SiNaPS, Grenoble (France)

Ph.D: Study of the electronic states of Silicon Nanowires

Januar-April 2006: IEF/OptoGaN, Orsay (France)

Master 2 Training: Study of the current scattering in devices with anisotropic and non-linear conductivity

Modelisation with COMSOL and Matlab by FEM method. Results were compared to experiments.

Februar-August 2005: NEST-INFM, Pisa (Italy)

Master 1 training: Vertical emission of quantum cascade laser by photonic crystal effects.

Fabrication of quantum cascade lasers with vertical emission by photonic crystal effects

Modelisation of the vertical emission with COMSOL

Electroluminescence experiments at low temperature.

July 2004: LMOV, University of Versailles (France)

Licence training: Ellipsometry on thin layers

WORKING EXPERIENCE:

Teaching:

Since 09-2007 Teaching to undergraduated students:

* *Energy conservation laws*

* *Hydrodynamics*

COMPUTER SKILLS :

Origin, Matlab, COMSOL, Mapple, PowerPoint, LateX, Word, Excel

INTERESTS:

Sports: Archery, Rock climbing, Cross-country-skiing and biking

Trips: USA, India, Italy, Spain, Slovenia, Germany, Hungary, England

REFERENCES:

Noël Magnea CEA Thesis director noel.magnea@cea.fr

Vincent Calvo CEA Thesis co-director vincent.calvo@cea.fr

Raffaele Colombelli OptoGaN internship colombel@ief.u-psud.fr

Alessandro Tredicucci NEST internship a.tredicucci@sns.it