

# CURRICULUM VITAE

## Pascal SIMON

Married, 2 children

Nationality : French

Address : Laboratoire de Physique des Solides, University Paris-Sud

Tel : +33 1 69 15 60 90

E-mail : pascal.simon@u-psud.fr

Homepage : <http://chercheurs.lps.u-psud.fr/simon>

Languages : French (mother tongue) ; English, Italian (actively) ; German (passively)

## Education

- Nov. 2003 : Habilitation thesis at Joseph Fourier university.  
April 1998 : Ph.D. at the university Paris XI-Orsay, France (with honors)  
Title of the thesis : "From 2D frustrated spin systems to coupled minimal models"  
Supervisor : Prof. B. Douçot  
June 1994 : Master of Science in Theoretical Physics (with honors)  
at the Ecole Normale Supérieure, Paris (directed by Prof. E. Brézin)

## Positions held

- Since 09/2008 Full Professor at the university Paris-Sud  
08/2006-08/2008 Part time visiting Professor at the university of Basel (in the group of D. Loss)  
01/2003-08/2008 Assistant-professor at Joseph Fourier university, Grenoble, France  
08/2002-12/2002 Research Associate at the university of Basel (with D. Loss)  
09/2001-08/2002 Research Associate at Boston university (with I. Affleck).  
09/2000-08/2001 Research Associate at the university of British Columbia, Vancouver (with I. Affleck).  
09/1998-08/2000 Postdoctoral fellow at SISSA/ISAS, Trieste, Italy (with G. Mussardo).  
09/1995-08/1998 PhD student at the LPTHE, university Paris VI-VII, France (with B. Douçot)  
09/1994-08/1995 Military service at the CEA Saclay in experimental particles physics  
in the OPAL experiment of the CERN (Geneve)

## Scientific and teaching output

- Author of more than 90 scientific publications including 2 Nature Physics, 1 Nature Comm, 25 Phys. Rev. Letters. About 2000 citations, H=25 (source ISI web of science)
- More than 40 invited oral presentations at conferences and workshops
- Organizer of 5 international workshops and schools
- Supervisor of 5 defended PhD thesis (plus 3 under way), 1 diplom arbeit and 5 master thesis.
- Since 2003, regular teaching activities at undergraduate, graduate and doctoral level.

## Research interests

General theoretical condensed matter physics with an emphasis on transport properties in correlated nanoscopic systems. More specifically, I am interested in :

- Transport in correlated nano-systems, hybrids systems, etc.
- New topological states of matter, Majorana fermions and their transport properties.
- Light-matter interactions in Cavity QED hybrid systems..
- Quantum Spintronics, magnonics and spin decoherence.
- Correlation and disorder effects in low dimensional many-body systems