

Curriculum Vitae Nicolas SUAUD

Date of birth : October 07th 1972

Place of birth : Paris, France

Nationality : French

Professional address :

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Professional experience

since 2003 Assistant professor, LCPQ, Université Paul Sabatier, Toulouse, France
2001-2002 Post-doctoral position, ICMOL, Universidad de Valencia, Spain
1995 Training at Airbus, Toulouse. Design and programming of a prototype electronic device for loading the ARINC629 secure net of the A380 plane

Education

2016 Habilitation à Diriger des Recherches, Université Toulouse 3
2000 PhD in Physics, Université Toulouse 3
1995 Engineering in electronic and computer science, Paris 6

Teaching

Atomistic, Quantum Chemistry (L1-M1)
Theoretical aspects of magnetic properties, spectroscopy (L3-M2)
Magnetic properties of POM (summer school)
Model Hamiltonians for Magnetic Systems (LTTC winter school)
Responsible of teaching unities (L1, L2, M1 and Erasmus Mundus TCCM Master)
Supervision of 20 Master students, 3 PhD and 2 post-doc

Research

Sophisticated Model Hamiltonians for Magnetic Systems
Mixed valence compounds and strongly correlated systems
Magnetism and electron delocalization in POM
Magnetic properties of graphene based purely organic molecules
Spin Crossover and LIESST complexes
9 talks in national meetings and 27 in international meetings
6 tutorials in winter/summer school
41 publications, +3 in revision, h-index 15 (october 2017)

Skills

Explicitly correlated *ab initio* (CASSCF, CASPT2, NEVPT2, RASSI-SO, DDCI) and DFT methods
Definition of model Hamiltonians
Extraction of effective or intermediate Hamiltonians

Expertise

Referee of a board for the selection of an Assistant Professor
President of a board for the selection of an Assistant Research Engineer
Referee and/or member of 7 PhD tribunals
Referee for more than 20 reviews
Referee for ECOS-SUD Research Projects

Network

Member of 4 COST actions (2 as local coordinator)
Member of 6 national, 1 Franco-Siberian and 1 Franco-Spanish networks