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Date of birth: 15/05/1971

Nationality: French

EXPERIENCE

- 01/2000 - present** Scientist at the Science and Technology Facilities Council
- 01/2010 – present Senior scientist at the Central Laser Facility (RAL) developing the condense matter activities at Artemis facility. My main area of expertise is on time-resolved ARPES spectroscopy with ultrafast laser source.
- 06/2006 – 01/2010 Long Term Attachment in the T-Rex group (Prof Fulvio Parmigiani) at Elettra (Italy) to perform time- and spin- resolved photoemission.
- 06/2002 – 06/2006 Scientist position in the Spin Polarised Spectroscopy group (Prof. Elaine Seddon) at Daresbury Laboratory. Developing the different experiments performed in the SPS group.
- 01/2000-06/2002 Post-doctoral position in the Spin Polarised Spectroscopy group (Prof. Elaine Seddon) at Daresbury Laboratory. In charge of designing/building a spin-resolved electron Time-of-Flight analyser to perform spin-resolved photoemission with pulsed source.
- 09/1996-12/1999** Doctoral Thesis on spin polarised electron transport at the PMC Laboratory - Ecole Polytechnique) with Dr Y. Lassailly.
- 04/1994-08/1994** Undergraduate stage in the Laboratory of Crystallography at York University with Dr Peter Main

SELECTED PUBLICATIONS

- Cacho, C. et al., (2015). Momentum-Resolved Spin Dynamics of Bulk and Surface Excited States in the Topological Insulator Bi₂Se₃. *Physical Review Letters*, 114, 097401.
- Ndiaye, W. et al., (2015). k dependence of the spin polarization in Mn₅Ge₃/Ge(111) thin films. *Physical Review B*, 91(12), 1–6
- Gierz, I. et al., (2013). Snapshots of non-equilibrium Dirac carrier distributions in graphene. *Nature Materials*, 12(12), 1119–24.
- Johannsen, J. C. et al., (2013). Direct view of hot carrier dynamics in graphene. *Physical Review Letters*, 111(2), 1–5.
- De Padova, P. et al., (2011). Mn₅Ge₃ films grown on Ge(1 1 1)-c(2 × 8). *Surface Science*, 605(5-6), 638–643.
- Petersen, J. C. et al., (2011). Clocking the melting transition of charge and lattice order in 1T-TaS₂ with ultrafast extreme-ultraviolet angle-resolved photoemission spectroscopy. *Physical Review Letters*, 107(17), 1–5.
- Cacho, C. et al., (2002). Spin filtering of free electrons by magnetic multilayers: towards an efficient self-calibrated spin polarimeter. *Physical Review Letters*, 88(6), 066601.

EDUCATION

- Ecole Polytechnique of Paris
1996/1999 **PhD Thesis** at the PMC (Physique de la matière Condensée) Laboratory
- National Military Service 1995/1996.
- University of Sciences and Technology of Lille.
1994/1995 Degree: **D.E.A.** (equivalent of Master's Degree) Materials Science