Dr. Christophe A. Adessi

curriculum vitae

Associate Professor
French citizenship



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Professional appointments

2003- Associate professor in physics at the Light and Matter Institute of the University Claude Bernard Lyon I. Team « Transport nanomagnetism and materials for energy ».

2000-2002 Post-Doctoral fellowship at NASA Ames Research Center (Moffet-Field, California, USA). Supervisor Dr. M.P. Anantram.

Education

1997-2000 PhD in physics at Université de Franche-Comté, Besançon (France). Department of molecular physic. « Fresnel projection microscopy and electronic nano-sources » Supervisor : Dr. M. Devel and Pr. J.-M. Vigoureux.

Research activities

- Theory and simulations in solid state physics.
- Expert in Density Functional Theory calculations and Green's function techniques.
- Expert in electronic and phononic transport.
- Large expertise in low dimensional materials (CNT, Graphene, MoS_2 …).

Teaching activities

- In charge of the courses of acoustic physics / Hearing care & language pathology formations L1 (ISTR/UCBL1).
- In charge of the courses of electronic (numerical & analog) / Hearing care formation L1&L2 (ISTR/UCBL1).
- In charge of the courses of solid state physics / L3 Polytech Lyon (la Doua).

Former teaching activities

- Tutorial in Quantum mechanic / L3
- Tutorial in solid state physics / M1
- Course on mesoscopic physics / M2