

Teaching Portfolio

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Teaching Experience

2007- Quantum Field Theory

2007-2016 Classical Mechanics

2005- Elective graduate courses: Strong interactions, String Theory, Supersymmetry,

Administrative tasks relating education

Main responsible for the courses

Mentoring

During my career I supervise(d) 15 PhD students, 25 postdocs and about 40 master and bachelor students. They went on to hold research positions at leading institutions such as Harvard, Oxford, Ecole Normale Supérieure (Paris), Stony Brook, Durham IPPP, UCLA, Cambridge, CERN, Helsinki Univ., Stockholm Univ., Max Planck Institute (AEI) Potsdam, etc.

Three postdocs won the Marie Curie Fellowship and five became professors or hold permanent research positions at leading research institutes such as Durham-IPPP and SISSA in Italy. Many of my students have been awarded prestigious national prizes on our common work.

Training philosophy

The success I had with the students is due to the fact that each student has undergone a hard training program that includes mastering hard subjects. We choose together the topics to work on that best fit their interest, skills and that were topical. Additionally my vast research network is always made available to all my students. Together we have fun sharing our love for physics and mathematical rigour.

I firmly believe that outstanding (non)academic careers need to be forged at a young age and that the young minds must become quickly independent from their advisors. This, together with mobility, is the only way that young minds can become original and henceforth push forward the boundary of knowledge.