



The Institute welcomes new members

One PhD student, four students and one visiting PhD student join the Institute

May 16, 2006

One PhD student, [Maurizio Righini](#), four students, [Axel Seguin](#), [Alexandre Cebollada](#), [Brice Dubost](#) and [Clara Serrano](#) and one visiting PhD student, [Alessandro Cere](#) join ICFO.

Maurizio Righini joins Prof. Goncal Badenes' group as a PhD student. He will contribute to the ATOM-3D project with the development of extended traps and sorting elements based on a combination of optical and thermal forces.

Axel Seguin joins the IT team at ICFO in order to design and to implement a role-based security model on ICFO wireless network. Axel's stay at ICFO will serve as an end of studies work experience towards his Master's degree. Axel will be supervised by Prof. Badenes.

Alexandre Cebollada joins Prof. Niek van Hulst's group as an exchange student from ENS Caen in France. During his three months stay at ICFO, Alexandre will assist to conduct experiments on local phase mapping using a heterodyne photon STM.

Brice Dubost joins Prof. Jürgen Eschner's ion trapping group for a training internship with the scope of his studies of MSc in Physics at the Ecole Normale Supérieure de Cachan (France). He will contribute to all technical tasks in the ion trap experiment, in particular, to the control electronics and the vacuum system.

Clara Serrano joins Prof. Goncal Badenes's group as an undergraduate student from La Salle-Universitat Ramon Llull. She will work on the elaboration and the characterisation of novel optical plasmon elements with applications in nanoscale optical manipulation, sensing and imaging, under the supervision of Dr Romain Quidant.

Alessandro Cere joins Prof. Juan P. Torres's group as a visitor PhD student. Cere is studying a PhD in Physics at the University of Camerino (Italy). He will be exploring new ways to generate frequency entangled paired photons with controllable waveforms by making use of light with orbital angular momentum.



(left to right) Axel Seguin and Alexandre Cebollada



(left to right) Brice Dubost and Clara Serrano