ECT* Doctoral Training Programme 2015
April 13 - May 22
Computational Nuclear Physics
Hadrons, Nuclei and Dense Matter

Programme Coordinator
Maria Paola Lombardo (INFN)

Students’ Coordinator and Advisor
Georges Ripka (Saclay and ECT*)

Local Coordinator
Serena degli Avancini (ECT*)

Lecturers and topics

Thomas Schaefer (North Carolina State University, USA)
Tetsuo Hatsuda (RIKEN, Japan)
Amy Nicholson (University of California, Berkeley, USA)
Giuseppina Orlandini (University of Trento and TIPPA, Italy)
Francesco Pederiva (University of Trento and TIPPA, Italy)
Morten Hjorth-Jensen (Michigan State University, USA and University of Oslo, Norway)

Strong interactions, QCD and nuclear physics
Lattice QCD approach to nuclear physics
Lattice methods for many body systems
Ab initio methods: from few to many nucleons
Ab initio many-body methods: variational and diffusion Monte Carlo
Ab initio many-body methods: configuration interaction theory, many-body perturbation theory and coupled cluster theory

Applications
Applications for the ECT* Doctoral Training Programme should be made electronically through the ECT* web page. They should include: a curriculum vitae, a 1-page description of academic and scientific achievements, a short letter expressing the applicant's personal motivation for participating in the programme.

In addition, a reference letter from the candidate's supervisor should be sent to:
Professor Wolfram Weise - Director of ECT* (email to Serena degli Avancini serenada@ectstar.eu, fax: +39 0461 314 747)

Deadline for applications: January 31, 2015
For further details see www.ectstar.eu