



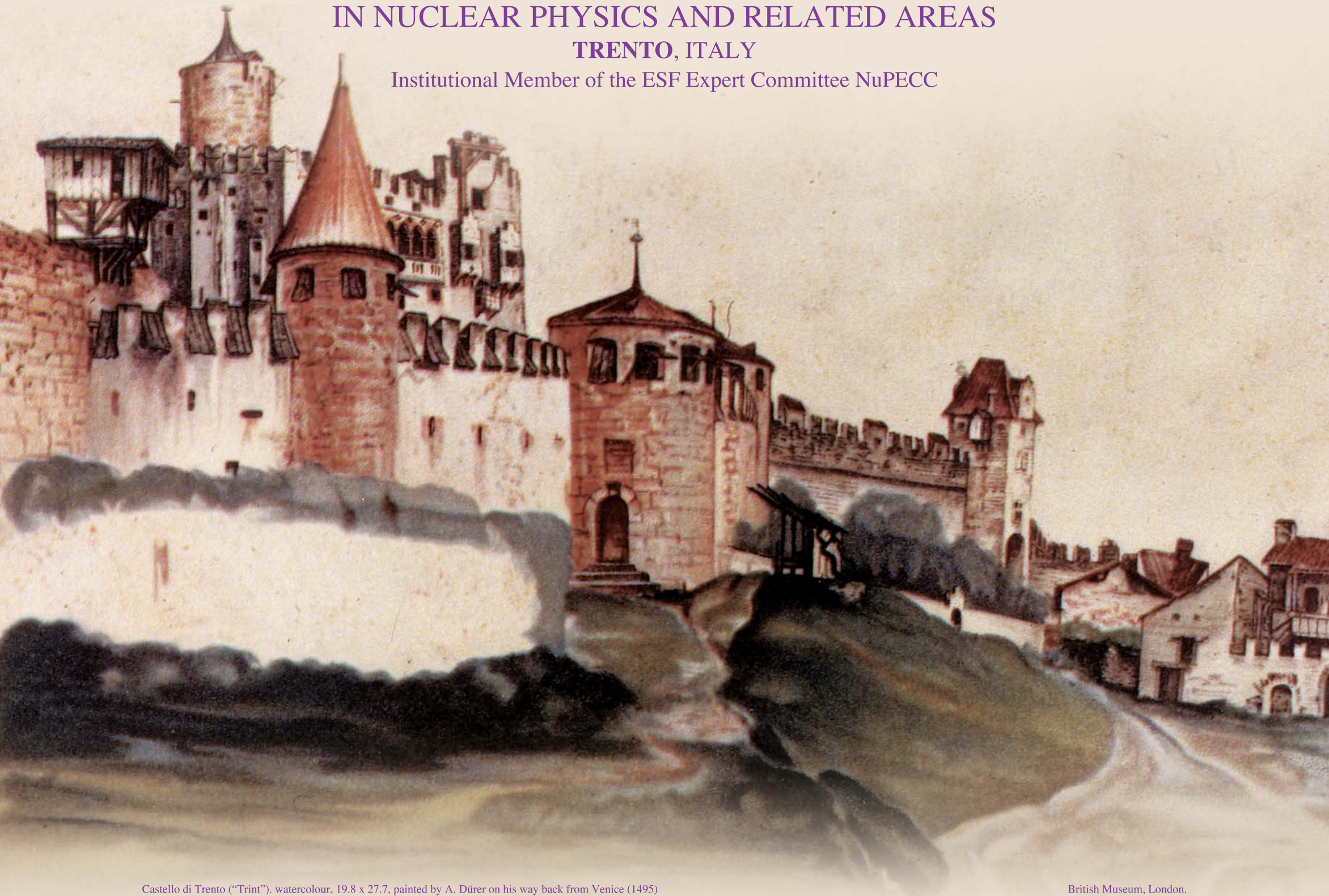
# ECT\*



## EUROPEAN CENTRE FOR THEORETICAL STUDIES IN NUCLEAR PHYSICS AND RELATED AREAS

TRENTO, ITALY

Institutional Member of the ESF Expert Committee NuPECC



Castello di Trento ("Trin"). watercolour, 19.8 x 27.7, painted by A. Dürer on his way back from Venice (1495)

British Museum, London.

## Nuclear TALENT School 2012

June 25 – July 13

## Computational Many-body Methods for Nuclear Physics

### Organizers

**Jacek Dobaczewski** (*University of Warsaw and University of Jyväskylä*)  
**Morten Hjorth-Jensen** (*Michigan State University and University of Oslo*)  
**Giuseppina Orlandini** (*University of Trento*)  
**Francesco Pederiva** (*University of Trento*)  
**Marek Płoszajczak** (*GANIL*)

### Student Coordinator and Advisor

**Morten Hjorth-Jensen** (*Michigan State University and University of Oslo*)

### Topics and Lecturers

**Large scale diagonalization methods and the nuclear shell model**  
Morten Hjorth-Jensen (*Michigan State University and University of Oslo*)  
Calvin Johnson (*San Diego State University, California*)  
**Variational and diffusion Monte Carlo methods for many-fermion systems**  
Francesco Pederiva (*University of Trento*)  
Kevin Schmidt (*Arizona State University, Phoenix, USA*)

### Applications

Applications for the ECT\* Nuclear Talent School should be made electronically through the **ECT\* Login page**. It should include: a curriculum vitae, a description of academic and scientific achievements (publications etc.), a short letter expressing the applicant's personal motivation for participating in the programme.

In addition, a reference letter from the candidates' supervisor should be sent directly to (email is fine):  
Professor Achim Richter - Director of ECT\* - Strada delle Tabarelle, 286, I -38123 Villazzano (TN), Italy (email: serenada@ectstar.eu, fax: +39 0461 935 007)

**Deadline for applications: April 15, 2012**

**For further details see <http://www.ectstar.eu>**