



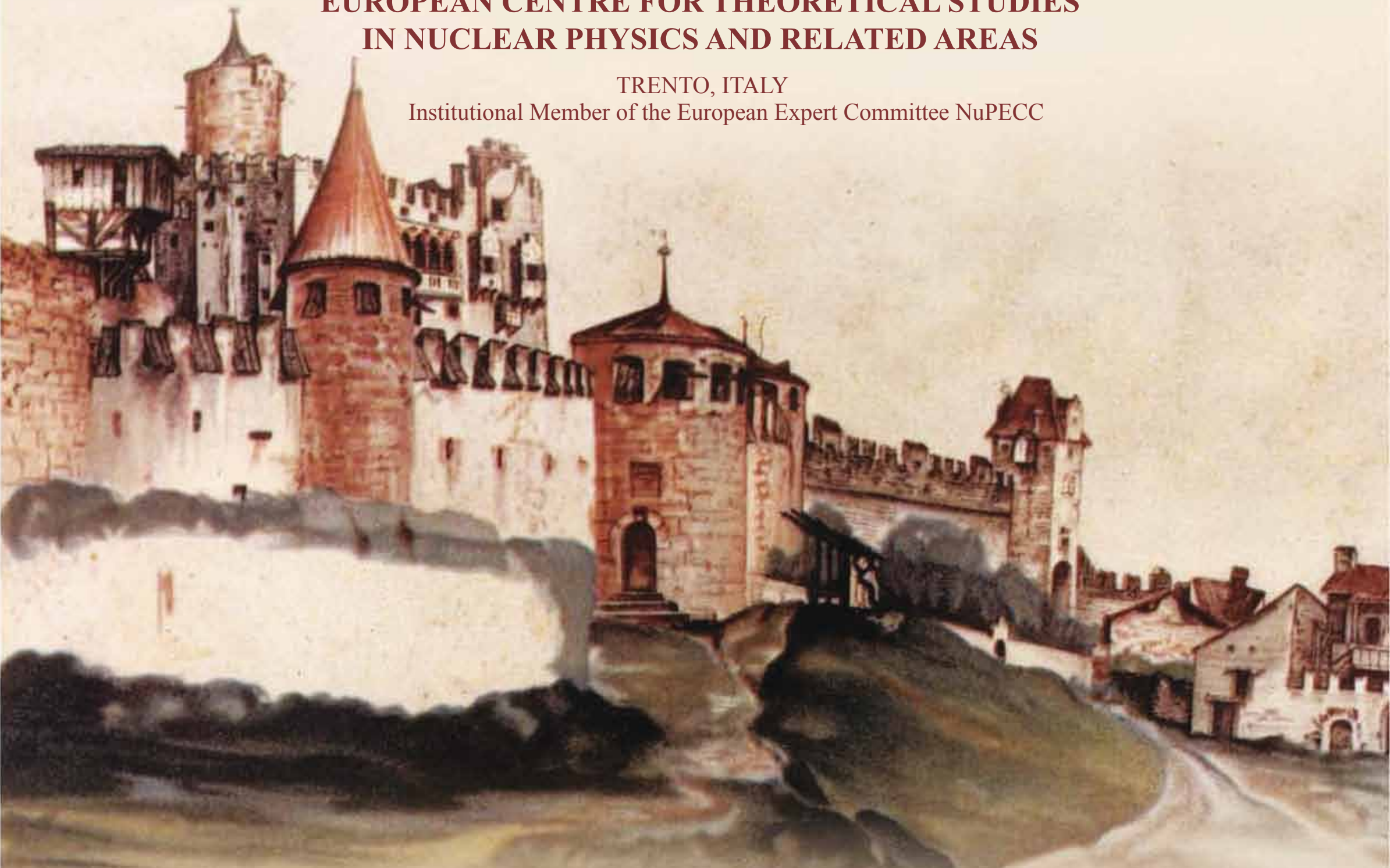
# ECT\*



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

TRENTO, ITALY

Institutional Member of the European Expert Committee NuPECC



Castello di Trento (Trint), watercolor, 19.8 x 27.7, painted by A. Dürer on his way back from Venice (1495). British Museum, London

## ECT\* Doctoral Training Programme 2018

Trento, May 28 - June 22

### QCD under extreme conditions

#### Programme Coordinators

Gert Aarts (Swansea University)

Dirk Rischke (Johann Wolfgang Goethe-Universität Frankfurt)

#### Students' Coordinator and Advisor

Georges Ripka (Saclay and ECT\*)

#### Lecturers and topics

**Aleksi Vuorinen** (*University of Helsinki, Finland*)

**Dirk Rischke** (*J. W. Goethe-Universität Frankfurt, Germany*)

**Claudia Ratti** (*University of Houston, USA*)

**Gert Aarts** (*Swansea University, UK*)

**Jan M Pawłowski** (*Universität Heidelberg, Germany*)

**Andreas Schmitt** (*University of Southampton, UK*)

**Tuomas Lappi** (*University of Jyväskylä, Finland*)

**Ulrich Heinz** (*Ohio State University, USA*)

Thermal field theory

Symmetries in quantum mechanics and particle physics

QCD thermodynamics

Sign problem at nonzero density

Functional renormalisation group

Dense matter

Early stages of heavy-ion collisions

Hydrodynamical description of heavy-ion collisions

#### Applications

Applications for the ECT\* Doctoral Training Programme should be made electronically through the ECT\* web page.

It 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 Jochen Wambach - Director of ECT\* (email to Serena degli Avancini [serenada@ectstar.eu](mailto:serenada@ectstar.eu), fax: +39 0461 314 747)*

**Deadline for applications: March 30, 2018**

For further details see [www.ectstar.eu](http://www.ectstar.eu)