



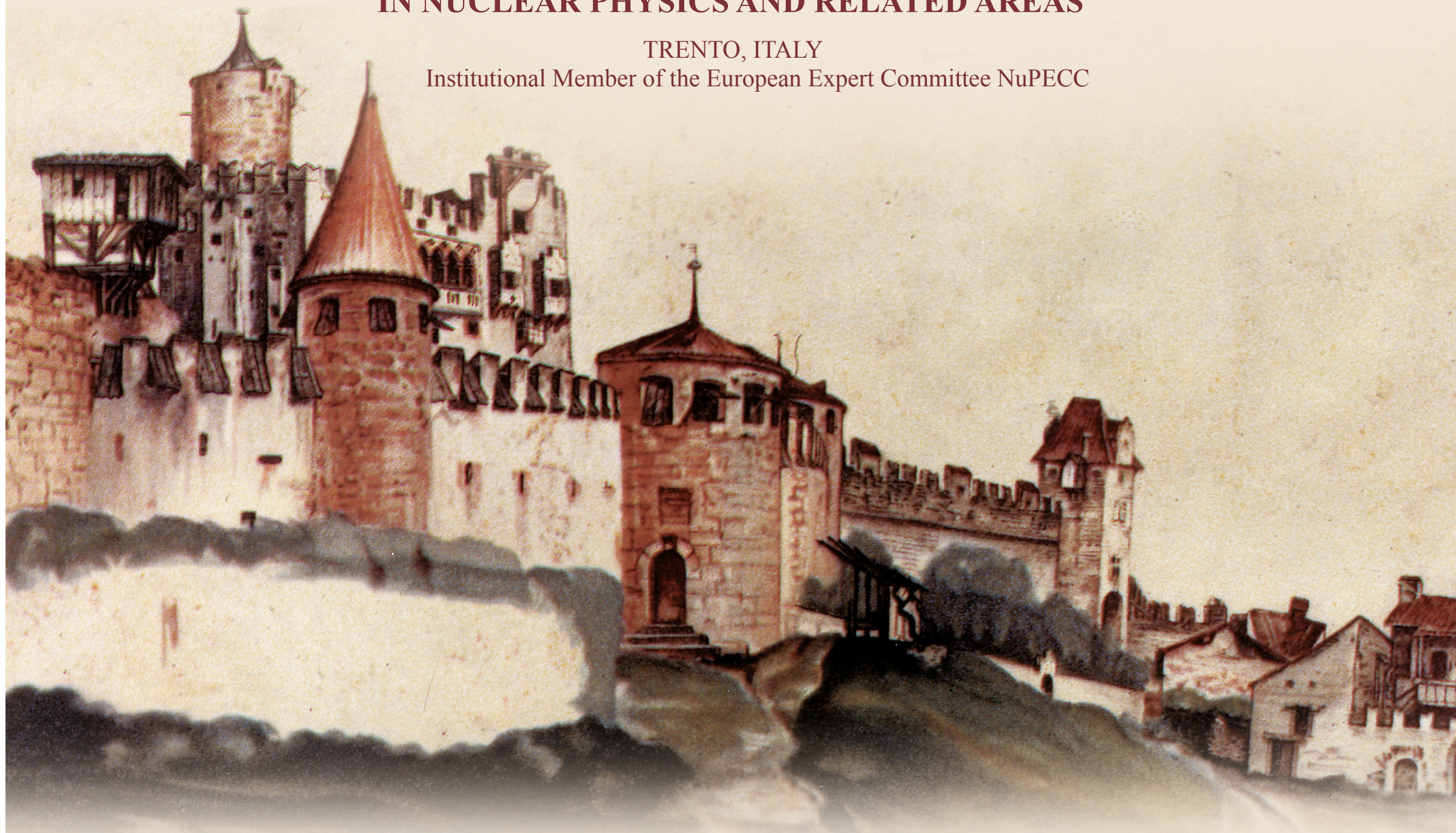
# ECT\*



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

TRENTO, ITALY

Institutional Member of the European Expert Committee NuPECC



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

## ECT\* Doctoral Training Programme 2019

Trento, June 24 - July 12

### Effective Field Theory Techniques

#### Programme Coordinators

Martin Savage (*INT & University of Washington, USA*) - Roxanne Springer (*Duke University, USA*)

#### Students' Coordinator and Advisor

Georges Ripka (*Saclay and ECT\**)

#### Lecturers and topics

Introduction to Effective Field Theories  
QCD and Effective Operator Renormalization  
Effective Field Theories for Many-Hadron Systems  
Infrared Structure of Gravity and Gauge Theories  
Nonrelativistic Effective Field Theories of QCD and QED  
Effective Field Theories for Jet Physics

**Brian Tiburzi** (*City College of New York, USA*)  
**Martha Constantinou** (*Temple University, USA*)  
**Silas Beane** (*University of Washington, USA*)  
**Monica Pate** (*Harvard University, USA*)  
**Nora Brambilla** (*TU München, Germany*)  
**Frank Tackmann** (*DESY, Germany*)

#### 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 29, 2019**

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