



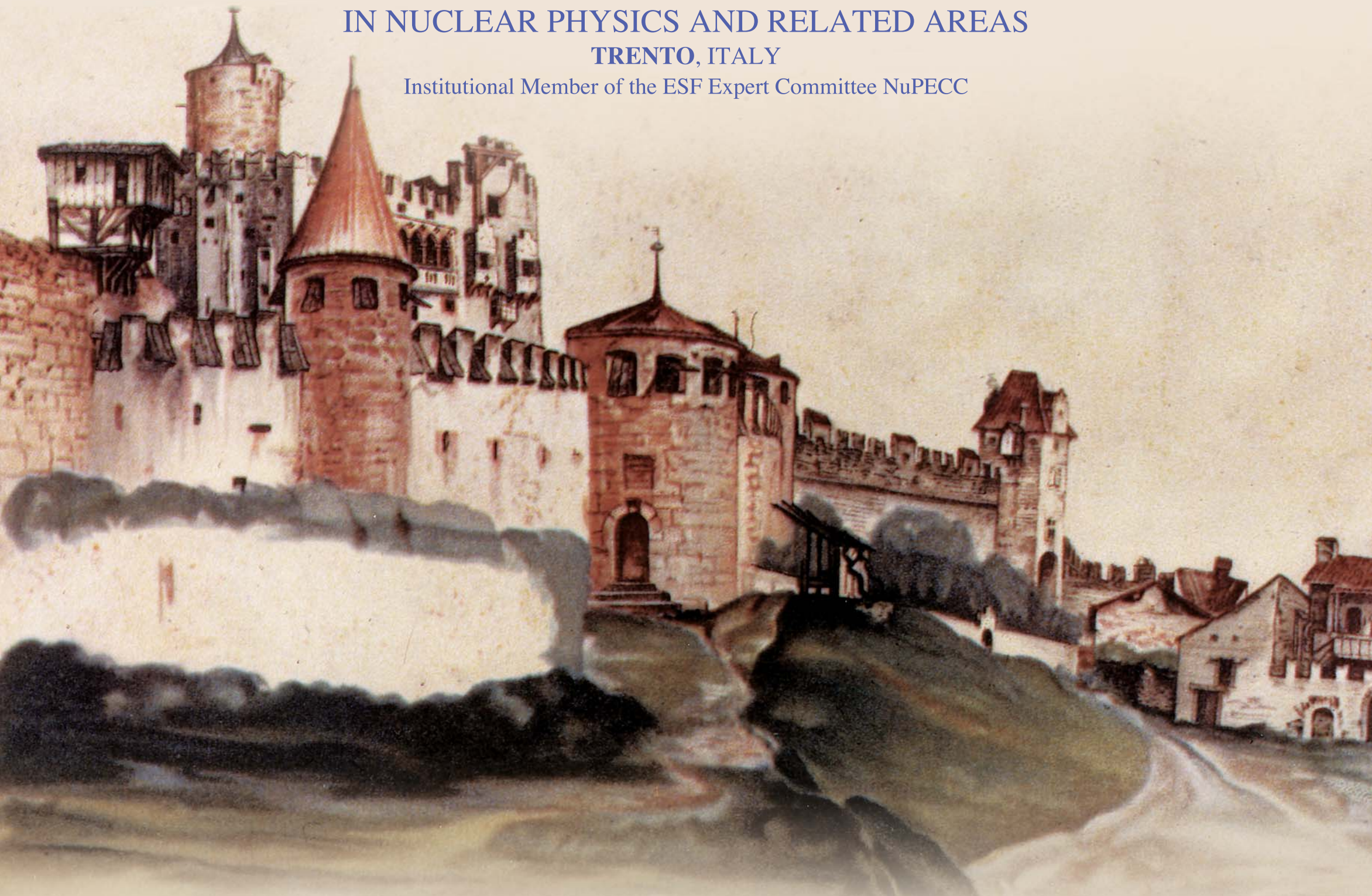
ECT*



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.

International Workshop on New Frontiers in Graphene Physics Trento, 12 – 14 April, 2010

Topics

Introduction to graphene; electronic structure of graphene; anomalous Quantum Hall effect; Klein tunneling; disorder effects; quantum phase transitions in graphene; field theoretical approaches; graphene quantum dots; optical properties of graphene; analogs of graphene in patterned semiconductor heterostructures, ultra-cold atoms, and photonic crystals; relativistic physics with ultracold atoms and slow light.

Main Speakers

Denis Basko (Grenoble), Antonio Castro-Neto (Boston), Joaquin Drut (Ohio State), Klaus Ensslin (ETH Zurich), Pietro Faccioli (Trento), Andrea Ferrari (Cambridge), Sophie Gueron (Orsay), Simon Hands (Swansea), Igor Herbut (Simon Fraser Univ.), Chang-Yu Hou (Leiden), Dmitri Khveshchenko (Chapel Hill), Ed McCann (Lancaster), Christian Miniatura (Singapore), Maksim Miski-Oglu (Darmstadt), Joel Moser (Barcelona), Cristiane Morais-Smith (Utrecht), Markus Mueller (ICTP), Kostya Novoselov (Manchester), Patrik Ohberg (Edinburgh), Johannes Otterbach (Kaiserslautern), Vittorio Pellegrini (SNS-Pisa), Mihai Popinciuc (Aachen), Gordon Semenoff (Vancouver), Bjoern Trauzettel (Wuerzburg), Oskar Vafek (Tallahassee).

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Director of the ECT*: Professor Achim Richter (ECT*)



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