

Disorder
Dipolar and Rydberg gases
Synthetic gauge fields for cold atoms
Non-equilibrium physics, quantum thermalization
Exotic states in optical lattices: topological matter, p-band physics
Bistability, non-linearity, optomechanics with cold gases
Light-matter interface, cold atoms in optical cavities
Multi-component atoms, spinor condensates

pushing the boundaries with cold atoms

21 January – 15 February 2013 · Nordita, Stockholm, Sweden

INVITED SPEAKERS:

Alexander Altland (University of Köln, Germany)
Immanuel Bloch (University of München, Germany)
Georg Bruun (Aarhus University, Denmark)
Jean Dalibard (CNRS, France)
Jens Eisert (Freie Universität Berlin, Germany)
Andre Eckardt (Max Planck Institute Dresden, Germany)
Tilman Esslinger (ETH, Zürich, Switzerland)
Axel Griesmaier (University of Stuttgart, Germany)
Rudolf Grimm (University of Innsbruck, Austria)
Andreas Hemmerich (University of Hamburg, Germany)
Randy Hulet (Rice University, USA)
Massimo Inguscio (University of Florence, Italy)
Adrian Kantian (University of Geneva, Switzerland)
Karyn Le Hur (Ecole Polytechnique Palaiseau, France)

Maciej Lewenstein (ICFO, Barcelona, Spain)
Vincent Liu (University of Pittsburgh, USA)
Boris Malomed (Tel Aviv University, Israel)
Cristiane Morais Smith (Utrecht University, Netherlands)
Silke Ospelkaus (Leibniz Universität Hannover, Germany)
Stephanie Reimann (University of Lund, Sweden)
Luis Santos (Leibniz Universität Hannover, Germany)
Achim Schwenk (Technical University of Darmstadt, Germany)
Klaus Sengstock (University of Hamburg, Germany)
Ian Spielman (NIST, Washington, USA)
Henk Stoof (Universiteit of Utrecht, Netherlands)
Masahito Ueda (University of Tokyo, Japan)
Peter Zoller (University of Innsbruck, Austria)
Wilhelm Zwerger (Technische Universität München, Germany)

ORGANIZERS:

Jonas Larson (Stockholm University)
Emil Lundh (Umeå University)
Jani-Petri Martikainen (Aalto University)
Chris Pethick (Nordita)
Päivi Törmä (Aalto University)



NORDITA

www.nordita.org/cold2013