



# WINTER SCHOOL on Condensed Matter Physics

10–21 January 2011  
Nordita, Stockholm

NORDITA

The main purpose of this Nordita winterschool is two-fold:

First of all, students will be introduced to **some of the basics milestones of condensed matter theory**, such as *Fermi-Liquid theory*, *Luttinger liquids* and *BCS theory*.

Secondly, **more modern topics will be introduced at a basic level**. The topics will be chosen from fields ranging from *cold atomic gasses*, *soft condensed matter* and *topological phases of matter*, such as *topological insulators*.

The school is aimed at **graduate students**.

## Confirmed lecturers:

- Georg Bruun (Aarhus University)
- Jean-Sébastien Caux (University of Amsterdam)
- Hans Hansson (Stockholm University)
- Paata Kakashvili (Nordita, Stockholm)
- Hartmut Löwen (Heinrich Heine University, Düsseldorf)
- Joel Moore (University of California, Berkeley)
- Mikko Möttönen (Aalto University, Helsinki)
- Martin Oettel (J. Gutenberg University, Mainz)
- Yasser Roudi (Norwegian U. of Science and Technology, Trondheim & Nordita)
- Joost Slingerland (National University of Ireland, Maynooth)

**Organizers:** Eddy Ardonne (ardonne@nordita.org), Egor Babaev

## Can I apply to the School?

Yes, if you are a graduate student in physics or mathematics.

## How do I apply?

Your application must be submitted on the online form at

[www.nordita.org/winterschool2011](http://www.nordita.org/winterschool2011)

The deadline for applications is

**30 November 2010**

## How much does it cost?

Taking part in the Nordita Masterclass is free of charge! Limited travel funds (up to € 200) will be available for Nordic/Baltic participants.

## What if I have questions?

You find contact addresses, requirements for application, travel information, lecturers, time schedule for the lectures, and more, on

[www.nordita.org/winterschool2011](http://www.nordita.org/winterschool2011)

Roslagstullsbacken 23  
SE-106 91 Stockholm  
Sweden

Tfn +46 8 5537 8436  
Fax +46 8 5537 8404  
info@nordita.org  
www.nordita.org