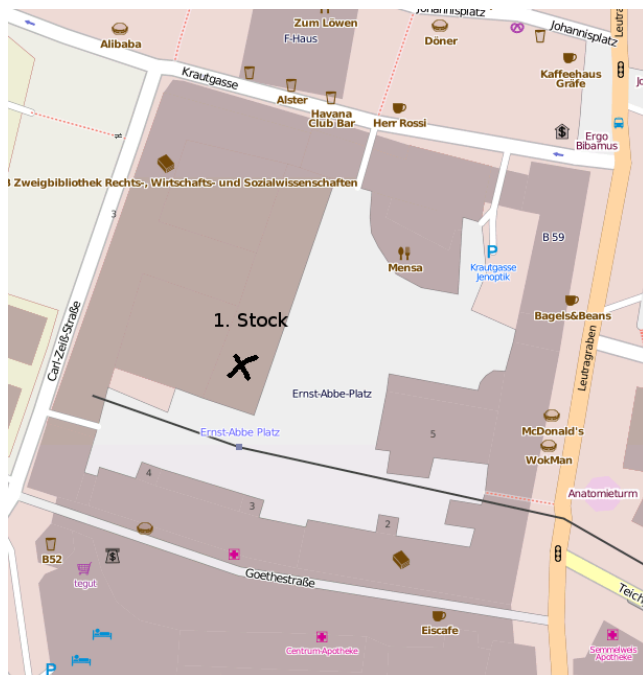


Overview

The course starts on Thursday, September 16 at 14:30 and ends on Friday evening, around 18:00 after the hike. Altogether, there will be three speakers for Thursday afternoon and for Friday morning as well. The excursion is planned for Friday afternoon. The schedule is arranged in order to allow for discussion and exchange. The workshop should be particularly interesting for young researchers, as there is a preceding Symposium for PhD-Students, organised by PhD-Students!

With the Walkshop 2010 we continue a tradition of events that took place in Clausthal, Chemnitz, and Goettingen in recent years. The topics typically involve mathematical physics. The distinctive feature of the Walkshop is a hike that is supposed to enliven informal discussion between participants.

Map



The Walkshop will be held on the first floor, in Seminarroom 114, in the building at Carl Zeiss Street 3 (see the mark on the map).

The classes of the PhD-Symposium will take place at Ernst-Abbe-Platz 2 in Room SR 3517.

Walkshop on Mathematical Physics & PhD-Symposium

September 15-17, 2010



seit 1558

Friedrich-Schiller-Universität Jena

Organized by
D. Lenz (Jena), P. Stollmann (Chemnitz)
and I. Veselić (Chemnitz)

Schedule of PhD-Symposium

Wednesday

14:00-14:15 Opening

14:15-15:00 *Conductivity of ergodic media*,
Ingo Wagner (München)

15:00-15:15 Break

15:15-16:00 *Uniform approximation of the
integrated density of states for long
range percolation models*,
Fabian Schwarzenberger (Chemnitz)

16:00-16:15 Break

16:15-17:00 *Fractional moment method for non-
monotone Anderson models*,
Martin Tautenhahn (Chemnitz)

Thursday

09:30-10:15 *Law of large Følner sets and links to the
Fields medal*, Felix Pogorzelski (Jena)

10:15-10:30 Break

10:30-11:15 *Parabolic Harnack inequality on metric
graphs*, Sebastian Haeseler (Jena)

11:15-11:30 Break

11:30-12:15 *On the spectral theory of trees and
tesselations*,
Matthias Keller (Jena)

Schedule of Walkshop

Thursday

14:30-14:50 Opening

14:50-15:40 *Laplace operators on graphs and
generalizations: heat semigroup
estimates*, Daniel Wingert (Chemnitz)

15:40-16:10 Break

16:10-17:00 *Semiclassical estimates and beyond:
Improving the optimal*,
Timo Weidl (Stuttgart)

17:00-17:30 Break

17:30-18:20 *Global geometry of Laurentzian
3-manifolds via lightlike geodesics*,
Catherine Meusburger (Hamburg)

Friday

09:00-09:50 *Semiclassical asymptotics of the Laplacian
and its fractional powers*,
Leander Geisinger (Stuttgart)

09:50-10:20 Break

10:20-11:10 *Dynamical bounds for quasiperiodical
Schrödinger operators*,
Laurent Marin (Orleans)

11:10-11:40 Break

11:40-12:30 *Free Lamplighter Groups and a Question
of Atiyah*, Franz Lehner (Graz)

12:30-13:00 Break

13:00-18:00 Hike

Basic information

1. The seminars will take place at Carl Zeiss Street 3 in Room 114 (Walkshop) and at Ernst-Abbe-Platz 2 in Room SR 3517 (PhD-Symposium).
2. You are welcome to join us for a hike on Friday afternoon. Details will be announced on Friday morning. A tram-ride will take us towards the „Kunitz-Burg“, from where we will make our way to the well-known Jenzig-mountain.
3. Well-known points of interest are: „Optikmuseum“, „Schillers Gartenhaus“, the „Intershop-Turm“, and the botanical garden (with a famous Ginkgo-tree).
4. Nice restaurants and café can be found in Wagner-Gasse and on the market square.
5. On Thursday night, the philharmonic orchestra of Jena will perform in the Volkshaus with „Jazz und Sinfonik“, with works by Shostakovich and others.
6. For those who are interested we will reserve a table for dinner at „Gasthaus zur Noll“ on Thursday at 18:30 pm.