

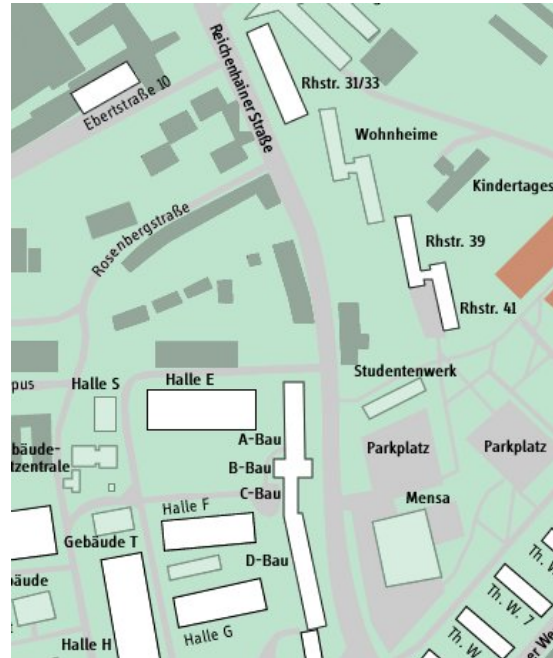
Thursday

- 09:00 - 10:00 Matthias Keller (Jena),
Dirichlet forms on graphs III.
- 10:00 - 10:15 Coffee break.
- 10:15 - 11:15 Max v. Renesse (Leipzig),
Geometry and Dirichlet
forms III.
- 11:15 - 11:45 Coffee break.
- 11:45 - 12:45 Jürgen Voigt (Dresden),
 L_1 -Estimates for
eigenfunctions of the
Dirichlet Laplacian.
- 12:45 - 14:00 Lunch break.
- 14:00 - 18:00 Excursion to Wasserschloss
Klaffenbach.

Friday

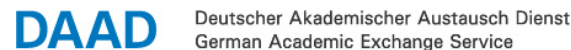
- 09:00 - 10:00 Matthias Keller (Jena),
Dirichlet forms on graphs IV.
- 10:00 - 10:15 Coffee break.
- 10:15 - 11:15 Ralph Chill (Dresden),
Gradient systems and
nonlinear parabolic
equations III.
- 11:15 - 11:45 Coffee break.
- 11:45 - 12:45 Nabila Torki-Hamza
(Bizerte), On the
Gauss-Bonnet operators on
infinite graphs.

Map



- The fall school takes place in room B202 (2. floor) in the building marked 'B-Bau', Reichenhainer Straße 70.
- The bus stop 'TU Reichenhainer Straße' is located almost directly in front of the building. You can take bus line 51 to get there.
- You can find the university canteen (open until 13:30) and a cafeteria (open until 15:00) in the building marked 'Mensa'.

Supported by



International Fall School on „Dirichlet forms, operator theory and mathematical physics“

Sept. 30th - Oct. 4th, 2013

Fall School organized by
A. BenAmor, D. Lenz, P. Stollmann
and I. Veselić

Ph.D. Symposium organized by
S. Beckus, M. Hansmann,
F. Pogorzelski and M. Schmidt

Schedule

Monday

- 14:00 - 14:10 Opening.
- 14:10 - 15:10 Max v. Renesse (Leipzig),
Geometry and Dirichlet forms I.
- 15:10 - 15:30 Coffee break.
- 15:30 - 16:30 Matthias Keller (Jena),
Dirichlet forms on graphs I.
- 16:30 - 17:00 Coffee break.
- 17:00 - 17:30 Address of welcome by the
Rector of TU Chemnitz,
Arnold van Zyl.
- 17:30 - 18:30 Ralph Chill (Dresden),
Gradient systems and
nonlinear parabolic
equations I.

Tuesday

- 09:00 - 10:00 Ralph Chill (Dresden),
Gradient systems and
nonlinear parabolic
equations II.
- 10:00 - 10:15 Coffee break.
- 10:15 - 11:15 Max v. Renesse (Leipzig),
Geometry and Dirichlet
forms II.

- 11:15 - 11:45 Coffee break.
- 11:45 - 12:45 Matthias Keller (Jena),
Dirichlet forms on graphs II.
- 12:45 - 15:00 Lunch break.
- 15:00 - 16:00 Christian Seifert (Hamburg),
Perturbations of positive
semigroups.
- 16:00 - 16:30 Coffee break.
- 16:30 - 17:30 Ali BenAmor (Gabes &
Clausthal),
Pointwise estimates for the
ground state of the Dirichlet
fractional Laplacian.

Wednesday (Ph.D. Symposium)

- 09:00 - 09:30 Yassin Chebbi (Testour),
Laplacian and Dirichlet
forms on infinite weighted
graphs.
- 09:40 - 10:10 Samuel Littig (Dresden),
The porous medium
equation and fast diffusion
equation as gradient systems.
- 10:10 - 10:30 Coffee break.
- 10:30 - 11:00 Marwa Balti (Bizerte),
Cheeger inequalities for
oriented and unoriented
graph Laplacians.

- 11:10 - 11:40 Hèla Ayadi (Bizerte),
Semi-Fredholmness of the
discrete Gauss-Bonnet
operator.
- 11:50 - 12:20 Amina Thabet (Gabes),
Convergence of operator
semigroups associated with
generalised elliptic forms.
- 12:20 - 13:45 Lunch break.
- 13:45 - 14:15 Tarek Kenzizi (Tunis),
A parabolic equation for the
fractional Laplacian with
Hardy potential.
- 14:25 - 14:55 Wahid Sayeb (Manouba),
Existence of solutions for the
 p -Laplacian involving a
Radon measure.
- 14:55 - 15:15 Coffee break.
- 15:15 - 15:45 Siegfried Beckus (Jena),
One-dimensional Schrödinger
operators with aperiodic
potential: The Fibonacci
sequence.
- 15:55 - 16:25 Belgacem Faten (Gabes),
Spectral asymptotic in the
large coupling limit.
- 16:35 - 17:05 Amor Drissi (Tunis),
Large and entire large
solutions for a class of
nonlinear problems.