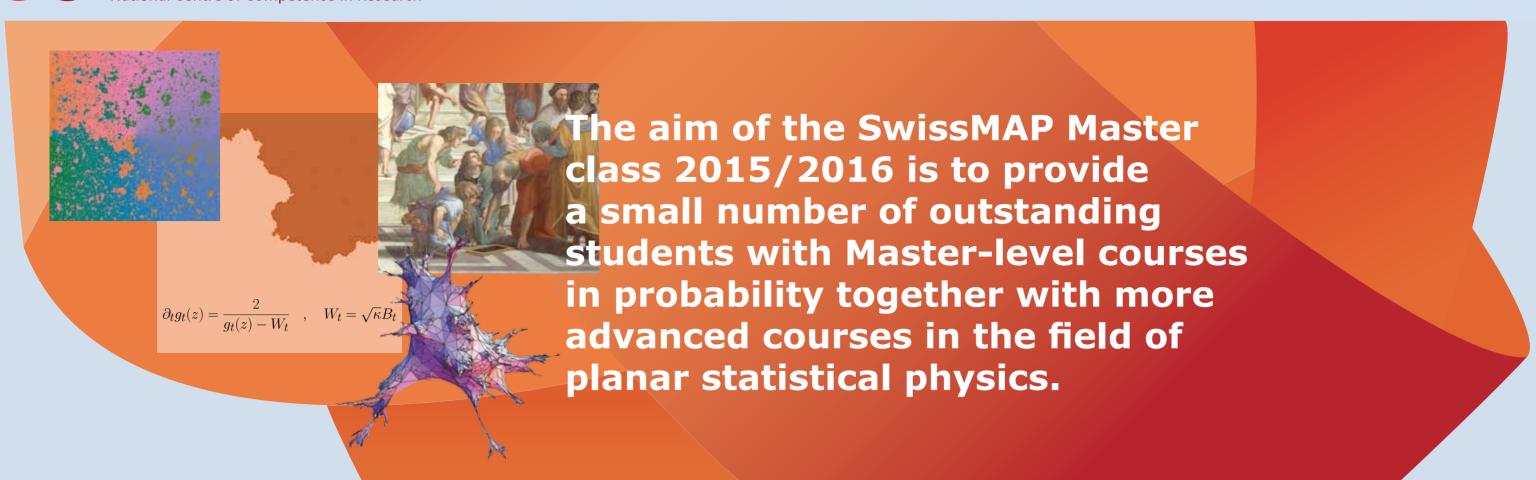
SwissNAP The Mathematics of Physics National Centre of Competence in Research

Master class in planar statistical physics



1st semester courses:

Introduction to statistical physics
Brownian Motion and stochastic calculus
Martingales and Markov processes
On various aspects of the dimer and planar
Ising models

2nd semester courses:

Conformal invariance of lattice models
Schramm-Loewner Evolution and GFF
Random planar maps
Geometric representations of lattice models

A number of mini-courses including:

Coarse geometry and random processes
Probability on groups
Large deviations

Additional information and application form is available on

www.nccr-swissmap.ch/master-class-2015.

For questions write to swissmapmasterclass2015@gmail.com.

The program is aimed at Master students. Advanced undergraduates and beginning PhD students are also welcome. The participants will enroll in a one-year master program in the university of Geneva starting in September 2015.

A number of fellowships covering accommodation and local expenses are available.

For full consideration, candidates should apply using the web form before the 17th of January 2015.

Confirmed lecturers:

- I. Benjamini
- D. Chelkak
- D. Cimasoni
- H. Duminil-Copin
- C. Hongler
- J. Miller
- S. Smirnov
- Y. Velenik
- W. Werner





