

Conference Program

Venue: *Institute of Mathematics, University of Bern
Sidlerstrasse 5, Lecture Hall B5*

Friday: 11.11.11

14:00-14:05 **Opening**

14:05-14:50 **Eero Saksman**

BMO, quasiconformal maps, and rotation

15:00-15:30 **Katrin Fässler**

A stretch map on the Heisenberg group

15:30-16:00 **Coffee**

16:00-16:30 **Daniel Aalto**

Auditory illusions and mathematics of hearing

16:45-17:30 **Pierre Pansu**

Heisenberg group and a problem in theoretical computer science, after Naor et al.

17:30 **Apero**

Saturday: 12.11.11

9:00-9:45 **Stas Smirnov**

Quasiconformal maps and harmonic measure

10:00-10:45 **Guy David**

Should we solve the Plateau problem again?

11:00-11:45 **Heli Tuominen**

Pointwise properties of BV-functions in metric spaces

11:45-13:45 **Lunch**

13:45-14:30 **Luca Capogna**

An extremal problem in quasiconformal mappings from a PDE point of view

14:45-15:15 **Alessandro Ottazzi**

Ultrarigid tangents of sub-Riemannian nilpotent groups

15:15-15:45 **Coffee**

15:45-16:15 **Thomas Zürcher**

Generalized Hausdorff dimension distortion under mappings of finite exponentially integrable distortion

16:30-17:00 **Ioannis Platis**

Basic quasiconformal deformations in complex hyperbolic quasi-Fuchsian space.

17:45 **Apero/Diner**

Sunday: 13.11.11

10:00-10:45 **Roberto Monti**

The regularity problem for sub-Riemannian geodesics

11:00-11:45 **Burchard Kaup**

About Music, the Violin and Mathematics

11:45-12:00 **Closing**