



# SMS Swiss Mathematical Society SMG

Bulletin no. 9 Autumn term 2011 14.11. – 18.11.2011

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Monday  
14.11.2011

## UNIVERSITÄT ZÜRICH

Oberseminar: Algebraische Geometrie

WOLFGANG EBELING (Universität Hannover)

*Mirror symmetry between orbifold curves and cusp singularities with group action*

13:15-14:45 h. Institut für Mathematik, Winterthurerstr. 190, Zürich-Irchel, Hörsaal Y27H25

## ETH / UNI ZÜRICH

Symplectic Geometry Seminar

MARK HAMILTON (University of Stuttgart)

*Representing homology classes by symplectic surfaces*

15:15 h. ETH Zürich, Rämistr. 101, room HG G 43

## UNIVERSITÉ DE GENÈVE

Séminaire de Mathématique Physique

DAMIEN SIMON (UPCM)

*tba*

16:15 h. Section de mathématiques, 2-4, rue du Lièvre, Genève-Acacias, salle 17

## ETH / UNI ZÜRICH

Optimization and Applications Seminar

RÜDIGER KIESEL (University of Duisburg-Essen)

*Electricity Forward Markets*

16:30-18:00 h. ETH Zürich, Rämistr. 101, room HG G 19.1

Coffee: 16:10-16:30

## UNIVERSITÄT BERN

Mathematisches Kolloquium

LAURA CIOBANU (University of Fribourg)

*The Diophantine Problem in groups*

17:15 h. Institut für exakte Wissenschaften, Sidlerstrasse 5, Bern, Hörsaal B 78

Tuesday  
15.11.2011

## EPF LAUSANNE

Group Theory Seminar

CAROLINE LASSEUR (EPFL)

*Why is there a "k" Summand in the Endomorphisms of an Endotrivial Module*

13:00 h. Bâtiment de Mathématiques, Ecublens, room MA A3 30

## UNIVERSITÉ DE GENÈVE

Séminaire "Groupes et Géométrie"

URI SHAPIRA (ETH Zürich)

*Equidistribution of geodesics through the Hecke tree and continued fractions*

13:15 h. Section de mathématiques, 2-4, rue du Lièvre, Genève-Acacias, salle 624

Attention horaire et salle inhabituels

## EPF LAUSANNE

Séminaire de topologie

PAUL TURNER (Fribourg/Genève)

*The homotopy theory of Khovanov homology*

14:15 h. Bâtiment de Mathématiques, Ecublens, Lausanne, Salle MA 10

## EPF LAUSANNE

Séminaire d'analyse numérique

ARIEH ISERLES (University of Cambridge, UK)

*On the Schrödinger equation and multiscale splittings of the exponential*

16:15 h. Bâtiment de Mathématiques, Ecublens, Lausanne, Salle MAA110

- Tuesday**  
**15.11.2011**      **ETH / UNI ZÜRICH**      Zurich Graduate Colloquium  
 JAKOB DITCHEN (ETHZ)  
*What is... a Landau-Siegel Zero?*  
 17.15 h. University of Zürich, Karl-Schmid-Str. 4, room KO2F150
- Wednesday**  
**16.11.2011**      **UNIVERSITÉ DE FRIBOURG**      Oberseminar Geometrie  
 HÉLÈNE EYNARD (Université de Paris 6)  
*tba*  
 10.20 h. Seminarraum Mathematik II (Lonza Gebäude), Fribourg
- UNIVERSITÄT BERN**      Institute seminar  
 DAVID GINSBOURGER (University of Bern)  
*An Introduction to Reproducing Kernel Hilbert Spaces, II*  
 11:00 h. Institute of Math. Statistics and Actuarial Science, Alpeneggstr. 22, Seminar room -203
- UNIVERSITÉ DE GENÈVE**      Séminaire d'analyse numérique  
 STEFAN GÜTTEL (Oxford University)  
*On the selection of parameters in rational Krylov methods for  $f(A)b$*   
 15:15 h. Section de mathématiques, 2-4, rue du Lièvre, Genève-Acacias, salle 623
- EPF LAUSANNE**      Séminaire d'analyse numérique  
 CRISTIAN LUBICH (University of Tübingen)  
*Low-rank dynamics for computing extremal points of real and complex pseudospectra*  
 16.15 h. EPFL, Ecublens, Math. Institute of Computational Science and Engineering, room CM 013
- ETH / UNI ZÜRICH**      Seminar on Stochastic Processes  
 AMANDINE VEBER (École Polytechnique CNRS, Palaiseau)  
*Large-scale behaviour of the spatial Lambda-Fleming-Viot process*  
 17:15 h. ETH Zürich, Rämistr. 101, room HG G 43
- UNIVERSITÄT BASEL**      30. Basler Kolloquium für Mathematiklehrpersonen  
 MICHAEL VOWE (Therwil)  
*Risiko*  
 17.15 h. Mathematisches Institut, Rheinsprung 21, Basel, grosser Hörsaal  
 Tee ab 16.30 Uhr im 1. Untergeschoss
- UNIVERSITÄT ZÜRICH**      Video Seminar in Analysis  
 BENJAMIN SCHLEIN (University of Bonn)  
*Effective evolution equations in quantum mechanics*  
 18.10-19.10 h. Institut für Mathematik, Winterthurerstr. 190, Zürich-Irchel, room Y27H35/36
- Thursday**  
**17.11.2011**      **UNIVERSITÄT BASEL**      Seminar Analysis  
 EMIL WIDEMANN (Universität Leipzig)  
*tba*  
 12:00 h. Mathematisches Institut, Rheinsprung 21, Basel
- EPF LAUSANNE**      Séminaire de Géométrie et Théorie Ergodique  
 HASKELL ROSENTHAL (University of Austin)  
*A possible counter-example to the transitive algebra problem work in progress*  
 13:15 h. Bâtiment de Mathématiques, Ecublens, Salle MA 30
- UNIVERSITÄT BASEL**      Seminar Zahlentheorie  
 PIERRE PARENT (Université Bordeaux 1)  
*On uniform large Galois images associated to modular forms: the case of elliptic curves, and beyond*  
 14:15 h. Mathematisches Institut, Rheinsprung 21, Basel, grosser Hörsaal

**Thursday**  
**17.11.2011**

**UNIVERSITÉ DE GENÈVE**

Séminaire de Théorie des nœuds

PAOLO BELLINGERI (Université de Caen)

*Representations for surface braid groups and lower central series*

14:15 h. Section de mathématiques, 2-4, rue du Lièvre, Genève-Acacias, salle 623 (6ème étage)

**ETH / UNI ZÜRICH**

Talks in Mathematical Physics

DUOGLAS LUNDHOLM (University of Copenhagen)

*Local exclusion and Lieb-Thirring inequalities for anyons*

15:15 h. ETH Zürich, Rämistr. 101, room HG G 43

**ETH ZÜRICH**

ZüKoSt: Seminar on applied Statistics

ERIK VAN ZWET (University of Leiden)

*Introduction to Causal Inference*

16:15 h. Dept. of Mathematics, Rämistr. 101, 8006 Zürich, room HG G19.1

**UNIVERSITÄT ZÜRICH**

Promotionskolloquium

ANNA MÄTZENER (Universität Zürich)

*Measuring Geodesics Aperiodicity*

17:15 h. Institut für Mathematik, Winterthurerstr. 190, Zürich-Irchel, Hörsaal Y27H28

**ETH ZÜRICH**

Talks in Financial and Insurance Mathematics

THORSTEN RHEINLÄNDER (LSE, London)

*tba*

17:15 h. ETH Zürich, Rämistr. 101, room HG G 43

**Friday**  
**18.11.2011**

**UNIVERSITÄT BASEL**

Seminar in Numerical Analysis

MATTHIAS BOLLHÖFER (TU Braunschweig)

*Hierarchical Matrix Approximation with Blockwise Constraints and  $h$ -Independent Convergence for Elliptic Problems*

09:00 h. Mathematisches Institut, Rheinsprung 21, Basel, grosser Hörsaal

Tea in the "Eulerzimmer" afterwards

**UNIVERSITÄT BASEL**

Seminar Algebra & Geometrie

RAFAEL ANDRIST (Universität Wuppertal)

*Holomorphic automorphisms of Danielewski surfaces*

10:30-12:00 h. Mathematisches Institut, Rheinsprung 21, Basel, kleiner Hörsaal

**UNIVERSITÉ DE GENÈVE**

Research seminar in statistics

VERONIKA CZELLAR (HEC, Paris)

*TState-Observation Sampling*

11:15 h. Université de Genève, salle 5220

**ETH ZÜRICH**

Number Theory Seminar

HUNG MANH BUI (MPI Bonn)

*Zeros of the Riemann zeta-function*

14:15 h. ETH Zürich, Rämistr. 101, room HG G 43

**EPF LAUSANNE**

Séminaire d'Analyse

SIMONA ROTA NODARI (Université Paris Dauphine)

*Existence de solutions pour les équations de champ moyen relativiste du noyau atomique*

15:15 h. Bâtiment de Mathématiques, Ecublens, Lausanne, Salle MA A110

**EPF LAUSANNE**

Séminaire de Statistique

YANYUAN MA (Texas A&M University)

*A Semiparametric Approach to Dimension Reduction*

15:15 h. Bâtiment de Mathématiques, Ecublens, Lausanne, Salle MA A3 30

**Friday**  
**18.11.2011**

**ETH ZÜRICH**

DAVY PAINDAVEINE (University of Brussels)

*Semiparametrically Efficient Inference Based On Signed Ranks In Symmetric Independent Component Models*

15:15 h. Dept. of Mathematics, Rämistr. 101, 8006 Zürich, room HG G19.1

Research Seminar for Statistics

**ETH ZÜRICH**

BARBARA FANTECHI (SISSA / Bonn)

*tba*

16:00 h. ETH Zürich, Rämistr. 101, room HG G 43

Algebraic Geometry and Moduli Seminar