



**Monday  
3.10.2011**

**UNIVERSITÄT ZÜRICH** Arbeitsgemeinschaft in Codierungstheorie und Kryptographie  
JUDY WALKER (University of Nebraska)  
*Neural codes from a coding theory perspective*  
12.00 h. Institut für Mathematik, Winterthurerstr. 190, Zürich-Irchel, Hörsaal Y27H35/36

**ETH ZÜRICH** Algebra-Topology Seminar  
KARIN BAUR (Universität Graz)  
*A frieze (pattern) determinant*  
12:15-13:15 h. ETH Zürich, Rämistr. 101, room HG G 43

**UNIVERSITÄT ZÜRICH** Oberseminar: Algebraische Geometrie  
BAPTISTE MORIN (Universität Münster)  
*tba*  
13.15-14.45 h. Institut für Mathematik, Winterthurerstr. 190, Zürich-Irchel, Hörsaal Y27H25

**ETH ZÜRICH** Symplectic Geometry Seminar  
RAHUL PANDHARIPANDE (ETHZ)  
*Some results and questions about virtual cycles for stable maps*  
15:15 h. ETH Zürich, Rämistr. 101, room HG G 43

**UNIVERSITÉ DE GENÈVE** Séminaire de Mathématique Physique  
JEAN-FRANÇOIS LE GALL (University Paris Sud)  
*Universality of the Brownian map*  
16.15 h. Section de mathématiques, 2-4, rue du Lièvre, Genève-Acacias, salle 17 (2ème étage)

**ETH / UNI ZÜRICH** Optimization and Applications Seminar  
ELAD HAZAN (Israel Institute of Technology, Haifa)  
*Sublinear optimization for machine learning*  
16:30-18:00 h. ETH Zürich, Rämistr. 101, room HG G 19.1  
Coffee: 16:10-16:30

**UNIVERSITÉ DE FRIBOURG** Michel Plancherel Lecture  
REIDUN TWAROCK (University of York)  
*Viruses and Coxeter groups: Group Theory as a Mathematical Microscope in Virology*  
17.15 - 18.15 h. Université Fribourg, Pérolles II, Fribourg, room G120  
<http://math.unifr.ch/colloquia.php>

**Tuesday  
4.10.2011**

**UNIVERSITÉ DE GENÈVE** Séminaire "Groupes et géométrie"  
ALEXEY TALAMBUTSA (Steklov Institute)  
*On the minimal exponential growth rate of finitely generated groups*  
10:30 h. Section de mathématiques, 2-4, rue du Lièvre, Genève-Acacias, salle 623 (6ème étage)

**UNIVERSITÉ DE NEUCHÂTEL** Groups and analysis seminar  
VALERIO CAPRARO (Université de Neuchâtel)  
*Cyclic Hilbert spaces and Connes' embedding conjecture*  
10:30 h. Institut de mathématiques, rue Emile Argand 11, Neuchâtel, Auditoire B217

.. / 2

**Tuesday**  
**4.10.2011**

**EPF LAUSANNE**

VALÉRY MAHÉ (EPFL)

*Suites à divisibilité*

15:15 h. EPFL, Ecublens, Salle MA31 - Bâtiment MA - 3ème étage

Séminaire d'algèbre et de théorie des nombres

**ETH / UNI ZÜRICH**

ANDREA MONDINO (SISSA, Trieste)

*The Willmore and others  $L^2$  curvature functionals in Riemannian manifolds*

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

Analysis Seminar

**UNIVERSITÉ DE GENÈVE**

XAVIER ANTOINE (Université Henri Poincaré Nancy 1)

*Two numerical methods for solving high frequency multiple scattering problems*

15:15 h. Section de mathématiques, 2-4, rue du Lièvre, Genève-Acacias, salle 623

Séminaire d'analyse numérique

**ETH / UNI ZÜRICH**

DAVID BELIUS (ETHZ)

*What is... a Cover Time?*

17:15-18:30 h. University of Zürich, Karl-Schmid-Str. 4, Zürich, room KO2-F-150

Zurich Graduate Colloquium

**Wednesday**  
**5.10.2011**

**UNIVERSITÉ DE FRIBOURG**

PAUL TURNER (Université de Fribourg))

*The homotopy theory of Khovanov homology*

10:20-12:00 h. Seminarraum Mathematik II (Lonza Gebäude), Fribourg

<http://commonweb.unifr.ch/math/seminars/Osgeom-top.html>

Oberseminar Geometrie

**EPF LAUSANNE**

LOREN COQUILLE (University of Geneva)

*Gibbs measures of the 2d Ising model*

14:15 h. EPFL, Ecublens, Salle GR A3 32

Seminar of Probability and Stochastic Process

**ETH / UNI ZÜRICH**

GÁBOR ELEK (Alfréd Rényi Institute of Mathematics, Hungary, and EPFL)

*Quasi-invariant means and Zimmer amenability*

15:45 h. ETH Zürich, Rämistr. 101, room HG G 43

Geometry Seminar

**ETH / UNI ZÜRICH**

NICHOLAS KISTLER (University of Bonn)

*The extremal process of branching Brownian motion*

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

Seminar on Stochastic Processes

**UNIVERSITÄT ZÜRICH**

GILLES LEBEAU (Université de Nice)

*Hypoelliptic random walks*

18:10-19:10 h. Institut für Mathematik, Winterthurerstr. 190, Zürich-Irchel, Hörsaal Y27H35/36

Video Seminar in Analysis

**Thursday**  
**6.10.2011**

**UNIVERSITÄT BASEL**

DAVID MASSER (Universität Basel)

*Bicyclic Polynomials and Impossible Intersections*

14:15 h. Mathematisches Institut, Rheinsprung 21, Basel, grosser Hörsaal

Seminar Zahlentheorie

**ETH / UNI ZÜRICH**

PIERRE VOGEL (Institut de Mathématiques de Jussieu, Paris)

*tba*

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

Talks in Mathematical Physics

Thursday  
6.10.2011

**UNIVERSITÄT ZÜRICH**

Arbeitsgemeinschaft Analysis

MICHAEL WINKLER (Universität Paderborn)

*Slowly traveling waves, blow-up at spatial infinity and homoclinic orbits in nonlinear parabolic equations of fast diffusion type*

17.15 h. Institut für Mathematik, Winterthurerstr. 190, Zürich-Irchel, Hörsaal Y27H25

Friday  
7.10.2011

**UNIVERSITÄT BASEL**

Seminar Algebra & Geometrie

BRUNO DUCHESNE (The Hebrew University of Jerusalem)

*Infinite-dimensional non-positively curved symmetric spaces of finite rank*

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

**UNIVERSITÉ DE GENÈVE**

Research seminar in statistics

RICCARDO GATTO (University of Bern)

*Actuarial Risk Evaluations by Lundberg's and Daniel's Conjugations*

11:15 h. Section de mathématiques, 2-4, rue du Lièvre, Genève-Acacias, salle 5220

**ETH ZÜRICH**

Number Theory Seminar

ALEXANDER GAMBURD (CUNY Graduate Center)

*Generalization of Selberg's 3/16 Theorem and Affine Sieve*

14.15 h. ETH Zürich, Rämistr. 101, room HG G 43

\*\*\*\*\*

**ETH ZÜRICH**

Colloquium in Honor of HANS RUDOLF KÜNSCH on the Occasion of his 60th Birthday

**Monday - Tuesday, October 3-4, 2011**

*Keynote speakers:*

Jim Berger (Duke University),

Stuart Geman (Brown University),

Peter Green (University of Bristol)

*Invited Speakers:*

Rainer Dahlhaus (Heidelberg), Arnaldo Frigessi (Oslo), Reinhard Furrer (Zurich), Reto Knutti

(Zurich), Christian P. Robert (Paris) University), Håvard Rue (Trondheim)

*Information and contact:* sekretariat@stat.math.ethz.ch

\*\*\*\*\*

\*\*\*\*\*

**University of Wien**

**Wednesday, October 5, 2011**

**LaWiNe - Lausanne/Wien/Neuchâtel,**

Mathematical seminar on Sofic groups (and related subjects)

HANFENG LI (University of Buffalo)

14:00-14:45 h. *Entropy for actions of sofic groups*

15:15-16:00 h. *Independence and Loeb measure space*

University of Wien - room A310 (UZA2)

Funded by SNF Sinergia grant CRSI22-130435, the seminar meets once per month, alternatively on the 3 sites

<http://egg.epfl.ch/lawine/>

\*\*\*\*\*