



**Monday  
9.5.2011**

**ETH ZÜRICH**

Colloquium in Numerical and Applied Mathematics

08.15-09.00 h. PHILIPPE GROPHS (ETH Zürich)

*Multiscale analysis beyond wavelets*

10.15-11.00 h. ARMIN LECHLEITER (Ecole Polytechnique, Palaiseau, France)

*Time and frequency domain wave imaging*

13.30-14.15 h. LUDWIG GAUCKLER (University of Tübingen)

*Long-time analysis of Hamiltonian partial differential equations and their discretizations*

15.30-16.15 h. ARNULF JENTZEN (Princeton University)

*On the global Lipschitz assumption in computational stochastics*

ETH Zürich, Rämistr. 101, room HG F 33.1

**UNIVERSITÄT ZÜRICH**

Oberseminar: Algebraische Geometrie

PHILIPP GROSS (University Düsseldorf)

*The resolution property of algebraic stacks*

13.15-14.45 h. Institut für Mathematik, Winterthurerstr. 190, Zürich-Irchel, Hörsaal Y27H25

**ETH ZÜRICH**

Symplectic Geometry Seminar

TATJANA SIMCEVIC (ETH Zürich)

*A Hardy space approach to Floer gluing*

15.15-16.30 h. ETH Zürich, Rämistr. 101, Zürich, room HWZ (HG G43)

**ETH / UNI ZÜRICH**

Optimization and Applications Seminar

WOLFGANG MARWAN (University of Magdeburg)

*A Systems Level Approach to Cellular Reprogramming*

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

Coffee: 16:10-16:30

**UNIVERSITÄT ZÜRICH**

Arbeitsgemeinschaft Partielle Differentialgleichungen

ANDRÉ LISIBACH (ETH Zürich)

*Self-Gravitating Relativistic Fluids: The Two-Phase Model of Christodoulou*

17.15-18.30 h. Institut für Mathematik, Winterthurerstr. 190, Zürich-Irchel, Hörsaal Y27H12

**Tuesday  
10.5.2011**

**UNIVERSITÉ DE GENÈVE**

Séminaire d'analyse numérique

DANIEL KRESSNER (ETH Zürich)

*Low-rank tensor methods for linear systems*

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

**ETH / UNI ZÜRICH**

Analysis Seminar

SCOTT AMSTRONG (University of Chicago)

*Homogenization of viscous and non-viscous Hamilton-Jacobi equations in stationary ergodic, unbounded environments*

15.15 h. ETH Zürich, Rämistrasse 101, Zürich, room HWZ (HG G43)

**UNIVERSITÉ DE FRIBOURG**

Colloque

MARTIN GUTKNECHT (ETH Zürich)

*From qd to LR and QR*

17.15 - 18.15 h. Bâtiment de physique, chemin du musée 3, Fribourg, salle 2.52

<http://www.unifr.ch/math/colloquia.php>

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- Tuesday**  
**10.5.2011**      **ETH / UNI ZÜRICH**      Zurich Colloquium in Mathematics  
PIERRE RAPHAËL (Paul Sabatier University, Toulouse)  
*On the singularity formation for dispersive models*  
17.15 h. Main Building of the University Zürich, Karl-Schmid-Str. 4, Zürich, room KO2-F-150  
Afterwards Apéritif
- Wednesday**  
**11.5.2011**      **UNIVERSITÉ DE FRIBOURG**      Oberseminar Geometrie  
SARAH REES (University of Newcastle)  
*Solving the word problem in Artin groups*  
10.20-12.00 h. Seminarraum Mathematik II (Lonza Gebäude), Fribourg  
<http://commonweb.unifr.ch/math/seminars/Osgeom-top.html>
- UNIVERSITÄT BERN**      Institutsseminar  
JULIEN BECT (Supélec, Gif-sur-Yvette)  
*tba*  
11.00-12.00 h. Institut für mathematische Statistik und Versicherungslehre, Alpeneggstr. 22, Bern,  
Seminar room -203
- ETH ZÜRICH**      Algebra-Topology Seminar  
GOULNARA ARZHANTSEVA (Université de Genève)  
*tba*  
14.15 h. ETHZ, Rämistrasse 101, Zürich, room HG G 19.1
- UNIVERSITÉ DE GENÈVE**      Séminaire d'analyse numérique  
RONAN PERRUSSEL (CNRS)  
*Courants de Foucault et singularités de coin*  
15.15 h. Section de mathématiques, 2-4, rue du Lièvre, Genève-Acacias, salle 623
- EPF LAUSANNE**      Séminaire de Statistique  
HANSJÖRG ALBRECHER ( Université de Lausanne)  
*On Refracted Stochastic Processes and the Analysis of Insurance Risk*  
15.15 h. EPFL, Bâtiment MA - Salle MA12  
<http://smat.epfl.ch/seminar/seminar.php>
- ETH / UNI ZÜRICH**      Geometry Seminar  
MARC BOURDON (Université Lille 1)  
*Quasiconformal geometry and Coxeter groups (joint work with Bruce Kleiner)*  
15.45 h. ETH Zürich, Rämistr. 101, Zürich, room HWZ (HG G43)
- ETH ZÜRICH**      Colloquium in Numerical and Applied Mathematics  
KATHARINA KORMANN (University of Uppsala)  
*An adaptive Magnus-Lanczos-spectral element solver for the time-dependent Schrödinger equation*  
16.15 h. ETH Zürich, Rämistr. 101, Zürich, room HG E 1.2  
<http://www.sam.math.ethz.ch/news/kolloquia>
- ETH / UNI ZÜRICH**      Seminar on Stochastic Processes  
CHRISTOPHE GARBAN (ENS Lyon)  
*Magnetization field at criticality in the Ising model*  
17.15-18.15 h. University of Zürich, Winterthurestr. 190, Zürich-Irchel, room Y27 H 25
- Thursday**  
**12.5.2011**      **UNIVERSITÄT BERN**      Colloquia on Probability and Statistics  
08.00-9.00 h. JOHANNA ZIEGEL (University of Heidelberg)  
*Precision estimation for stereological volumes*  
09.00-10.00 h. DOMINIC SCHUMACHER (Universität Bern)  
*Distance methods for point processes*  
Institut für exakte Wissenschaften, Sidlerstr. 5, Bern, Hörsaal B 78

Thursday  
12.5.2011

### UNIVERSITÄT BASEL

Seminar Zahlentheorie

FRANCESCO VENEZIANO (Scuola Normale Superiore di Pisa)  
*An effective version of Siegel's theorem on integral points in the function field case*  
14.15 h. Mathematisches Institut, Rheinsprung 21, Basel, grosser Hörsaal

### UNIVERSITÉ DE GENÈVE

Séminaire de Théorie des Nœuds

MARCOS MARINO (Université de Genève)  
*Perspectives on Khovanov homology from physics 2*  
14.15 h. Section de mathématiques, 2-4, rue du Lièvre, Genève-Acacias, salle 17

### ETH / UNI ZÜRICH

Talks in mathematical physics

SABIN CAUTIS (Columbia University)  
*Categorified Heisenberg actions on Hilbert schemes*  
15.15-16.15 h. ETH Zürich, Rämistrasse 101, Zürich, room HWZ (HG G43)

### UNIVERSITÄT ZÜRICH

Seminar über partielle Differentialgleichungen und Numerik

BERTRAND MAURY (Université Paris Sud)  
*tba*  
16.00 h. Institut für Mathematik, Winterthurerstr. 190, Zürich-Irchel, Hörsaal Y27H25

### UNIVERSITÄT BASEL

Perlen-Kolloquium am Departement Mathematik

ENRICO LEUZINGER (Karlsruhe Institute of Technology)  
*Die Geometrie des Wortproblems*  
16.15 h. Mathematisches Institut, Rheinsprung 21, 4051 Basel, grosser Hörsaal  
Anschliessend Aperó

### UNIVERSITÄT ZÜRICH

Arbeitsgemeinschaft Analysis

JOHANNES ZIMMER (University of Bath)  
*The Hamiltonian boundary value problem: existence, numerical approximation and homogenisation via Maupertuis principle*  
17.15-18.45 h. Institut für Mathematik, Winterthurerstr. 190, Zürich-Irchel, Hörsaal Y27H25

### EPF LAUSANNE

Soutenance de thèse

RATIBA DJELID (EPF Lausanne)  
*Déformations conformes des variétés de Finsler-Ehresmann*  
17.15 h. Bâtiment de Mathématiques, Ecublens, Salle MA A1 11

### ETH ZÜRICH

Talks in Financial and Insurance Mathematics

RONNIE SIRCAR (Princeton University)  
*Exploration and Exhaustibility in Energy Markets*  
17.15 h. ETH Zürich, Rämistrasse 101, Zürich, room HWZ (HG G43)

Friday  
13.5.2011

### UNIVERSITÄT BERN

Colloquia on Probability and Statistics

08.00-09.00 h. MARTIN SCHLATHER (University of Göttingen)  
*Models for space-time data*  
09.00-10.00 h. REINHARD FURRER (University of Zurich)  
*Multivariate spatial modeling for large datasets*  
Institut für exakte Wissenschaften, Sidlerstr. 5. Bern, room B6

### UNIVERSITÄT BASEL

Seminar für Analysis und Numerik

GABRIEL LORD (Heriot-Watt University, Edinburgh)  
*tba*  
09.00-10.00 h. Mathematisches Institut, Rheinsprung 21, Basel, grosser Hörsaal

### UNIVERSITÄT BASEL

Seminar Algebra & Geometrie

IVAN ARZHANTSEV (Moscow State University and Institut Fourier)  
*Factorial algebraic group actions and categorical quotients*  
10.30-12.00 h. Mathematisches Institut, Rheinsprung 21, Basel, kleiner Hörsaal

Friday  
13.5.2011

### UNIVERSITÉ DE GENÈVE

GEERT VERBEKE (Biostatistics, K.U. Leuven, Belgium)

*tba*

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

Research seminar in statistics

### ETH / UNI ZÜRICH

11.30-12.30 h. JAMES SPARKS (University of Oxford)

*tba*

14.00-15.00 h. JAMES DRUMMOND (LAPTH Annecy)

*tba*

15.30-16.30 h. MIKHAIL VASILIEV (Lebedev Institute Moscow)

*tba*

ETH Zürich, Hönggerberg, ETH HIT J51

Talks in mathematical physics

### UNIVERSITÄT ZÜRICH

AARON LAUDA (Columbia University)

*The nilHecke algebra and categorified quantum  $sl_2$*

13.15-15.00 h. Institut für Mathematik, Winterthurerstr. 190, Zürich-Irchel, room Y27H12

Quantum Topology Seminar

### EPF LAUSANNE

TILMANN GNEITING (University of Heidelberg and University of Washington, Seattle)

*Probabilistic Weather Forecasting*

15.15 h. EPFL, Bâtiment MA - Salle MA31

<http://smat.epfl.ch/seminar/seminar.php>

Séminaire de Statistique

### ETH ZÜRICH

MICHAEL CHICHIGNOUD (Université de Provence, Marseille)

*Statistical performances of a bayesian estimator*

15.15-16.30 h. Dept. of Mathematics, Rämistr. 101, 8006 Zürich, Hörsaal HG G19.2

Research Seminar for Statistics