



SMS Swiss Mathematical Society SMG

Bulletin no. 10 Autumn term 2011 21.11. – 25.11.2011

Monday
21.11.2011

UNIVERSITÄT ZÜRICH Arbeitsgemeinschaft in Codierungstheorie und Kryptographie
KATHRYN HAYMAKER (University of Nebraska)
WOM code constructions and adaptations
12:00 h. Institut für Mathematik, Winterthurerstr. 190, Zürich-Irchel, Hörsaal Y27H35/36

UNIVERSITÉ DE GENÈVE Séminaire "Groupes Libres"
MOUNIR BENHEDDI
Exemples de train-tracks
12:15 h. Section de mathématiques, 2-4, rue du Lièvre, Genève-Acacias, salle 623 (6ème étage)

ETH ZÜRICH Algebra-Topology Seminar
ALESSANDRA IOZZI (ETH Zürich)
A remark on relative property (T)
12:15 h. ETH Zürich, Rämistr. 101, room HG G 43

UNIVERSITÄT ZÜRICH Oberseminar: Algebraische Geometrie
ANDREI TELEMEN (Université de Provence, Marseille)
Lower estimates in real algebraic geometry
13:15-14:45 h. Institut für Mathematik, Winterthurerstr. 190, Zürich-Irchel, Hörsaal Y27H25

ETH / UNI ZÜRICH Geometry Seminar
VITALY BERGELSON (Ohio State University)
Uniform distribution, generalized polynomials and dynamical systems
15:00 h. ETH Zürich, Rämistr. 101, room HG G 19.2

ETH / UNI ZÜRICH Symplectic Geometry Seminar
LUIS HAUG (ETH Zürich)
Open Gromov-Witten invariants in dimension 4 (following J.-Y. Welschinger)
15:15 h. ETH Zürich, Rämistr. 101, room HG G 43

ETH ZÜRICH Optimization and Applications Seminar
RAINER TICHATSCHKE (University of Trier)
On proximal-like methods for equilibrium problems
16:30-18:00 h. ETH Zürich, Rämistr. 101, room HG G 19.1
Coffee: 16:10-16:30

UNIVERSITÄT BERN Mathematisches Kolloquium
HERVÉ PAJOT (University of Grenoble)
Poincaré inequalities and the geometry of metric measure spaces
17:15 h. Institut für exakte Wissenschaften, Sidlerstrasse 5, Bern, Hörsaal B 78

UNIVERSITÄT ZÜRICH Arbeitsgemeinschaft Partielle Differentialgleichungen
EMANUELE SPADARO (Max Planck Institute, Leipzig)
Mean-convex sets and global barriers for minimal surfaces
17:15 h. Institut für Mathematik, Winterthurerstr. 190, Zürich-Irchel, Hörsaal Y27H12

- Monday** **ETH ZÜRICH** Seminar on Stochastic Processes
21.11.2011 JIAN DING (Stanford University)
Cover times, blanket times, and Gaussian free fields
 17.15 h. ETH Zürich, Rämistr. 101, room HG G 19.2
- Tuesday** **EPF LAUSANNE** Group Theory Seminar
22.11.2011 CAROLINE LASSUEUR (EPFL)
From Relative Projectivity ... to the Dade Group of an Arbitrary Finite Group
 12:45 h. Bâtiment de Mathématiques, Ecublens, Salle MA A3 30
- UNIVERSITÉ DE GENÈVE** Séminaire "Groupes et de géométrie"
 DENIS SERBIN (Stevens Institute of Technology)
Boundaries of Z^n -free groups
 14:00 h. Section de mathématiques, 2-4, rue du Lièvre, Genève-Acacias, salle 623 (6ème étage)
 Attention heure inhabituelle
- EPF LAUSANNE** Séminaire de topologie
 GAVIN SEAL (EPFL)
Monoidal monads and exponentiability in topological spaces
 14:15 h. Bâtiment de Mathématiques, Ecublens, Salle MA 10 (premier étage)
- UNIVERSITÉ DE NEUCHÂTEL** Colloque du Mardi
 SABINE BURGDORF (Université de Neuchâtel)
Positive polynomials and sums of squares
 16.15 h. Institut de mathématiques, rue Emile Argand 11, Neuchâtel, Auditoire B013
 Le colloque sera suivi d'un apéro
- UNIVERSITÉ DE GENÈVE** Séminaire de Mathématique Physique
 MIREILLE BOUSQUET-MÉLOU (Université de Bordeaux 1)
tba
 16:15 h. Section de mathématiques, 2-4, rue du Lièvre, Genève-Acacias, salle 17
- ETH / UNI ZÜRICH** Analysis Seminar
 HAKAN ELIASSON (Université de Paris 7)
The Birkhoff normal form and a problem of M. Herman
 15:15 h. ETH Zürich, Rämistr. 101, room HG G 43
- UNIVERSITÉ DE FRIBOURG** Colloquium
 GIANLUCA CRIPPA (University of Basel)
The continuity equation with non-smooth velocity field. An overview and the two-dimensional case
 17:15 h. Bâtiment de physique, chemin du musée 3, Fribourg, salle 2.52
<http://www.unifr.ch/math/colloquia.php>
- ETH / UNI ZÜRICH** Zurich Colloquium in Mathematics
 MANFRED EINSIEDLER (ETH Zürich)
Periodic Orbits on Homogeneous Spaces
 17.15 h. Main Building of the University Zürich, Karl-Schmid-Str. 4, Zürich, room KO2-F-150
 Afterwards Apéro
- Wednesday** **UNIVERSITÉ DE FRIBOURG** Oberseminar Geometrie
23.11.2011 ALEKSANDR KOLPAKOV (Université de Fribourg)
The 24-cell: geometric and combinatorial optimality
 10.20 h. Seminarraum Mathematik II (Lonza Gebäude), Fribourg
<http://commonweb.unifr.ch/math/seminars/Osgeom-top.html>
- UNIVERSITÄT BERN** Institute Seminar
 NIKI ZUMBRUNNEN (Universität Bern)
Stability Selection
 11:00 h. Institute of Math. Statistics and Actuarial Science, Alpeneggstr. 22, Seminar room -203

Wednesday
23.11.2011

UNIVERSITÄT BERN

Swiss Probability Seminar

14:40 - 15:20 h. JEAN-CHRISTOPHE MOURRAT (EPFL)

Quantitative homogenization of random environments

15:25 - 16:05 h. CHARLES BORDENAVE (University of Toulouse)

How does behave a typical Markov chain/process?

16:35 - 17:15 h. RAMA CONT (University of Paris 6)

Functional Ito calculus, martingale representation and functional PDEs

17:20 - 18:00 h. PIERRE-LOÏC MÉLIOT (University of Zurich)

Central limit theorems for random partitions and characters of the symmetric groups

Institut für exakte Wissenschaften, Sidlerstr. 5, Bern, room A6

From 14:10 refreshments in Room 228. Dinner in the city with the speakers

http://www.imsv.unibe.ch/content/talks/sps/index_eng.html

EPF LAUSANNE

Séminaire d'algèbre et de théorie des nombres

JEAN-PIERRE SERRE (Collège de France)

Discriminants et Hypersurfaces

15:15 h. EPFL, Ecublens, Bâtiment GR, Ecublens, Salle GRB330 - 3ème étage

ETH / UNI ZÜRICH

Geometry Seminar

JOACHIM HILGERT (University of Paderborn)

Patterson-Sullivan distributions in higher rank

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

ETH ZÜRICH

Colloquium in Numerical and Applied Mathematics

MUSTAFA KHAMMASH (D-BSSE, ETH Zurich)

Stochastic gene expression: mathematical modeling, analysis, and control

16.15 h. ETH Zürich, Rämistr. 101, Zürich, room HG E 1.2

<http://www.sam.math.ethz.ch/news/kolloquia>

UNIVERSITÄT BASEL

30. Basler Kolloquium für Mathematiklehrpersonen

JOHANNA HEITZER (Aachen)

Spiralen - ein attraktiver Unterrichtsgegenstand mit speziellem Bezug zu Basel

17.15 h. Mathematisches Institut, Rheinsprung 21, Basel, grosser Hörsaal

Tee ab 16.30 Uhr im 1. Untergeschoss

Thursday
24.11.2011

EPF LAUSANNE

Séminaire de Géométrie et Théorie Ergodique

TSACHIK GELANDER (Jerusalem & ETHZ)

On the growth of Betti numbers of arithmetic groups

13:15 h. Bâtiment de Mathématiques, Ecublens, Salle MA 30

UNIVERSITÄT BASEL

Seminar Zahlentheorie

PIETRO CORVAJA (Università Udine)

On integral points on surfaces

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

UNIVERSITÄT ZÜRICH

Seminar über partielle Differentialgleichungen und Numerik

NICOLA GUGLIELMI (University of L'Aquila)

Computing extremal points of the pseudospectrum of a matrix and the distance to instability

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

EPF LAUSANNE

Mathematics Colloquium

LAURE SAINT-RAYMOND (École Normale Supérieure, Paris)

The Sixth Problem of Hilbert - A Century Later

17.15 h. EPFL, Ecublens, Bâtiment de Mathématiques, room MA A1 11

Thursday
24.11.2011

ETH / UNI ZÜRICH

Talks in Mathematical Physics

SURESH SETHI (University of Dallas)

Co-op Advertising and Pricing in a Stochastic Supply Chain: Feedback Stackelberg Strategies

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

UNIVERSITÄT ZÜRICH

Arbeitsgemeinschaft Analysis

SERGEY SHMAREV (Universidad de Oviedo)

On a class of doubly nonlinear equations with nonstandard growth

17.15-18.45 h. Institut für Mathematik, Winterthurerstr. 190, Zürich-Irchel, Hörsaal Y27H25

ETH ZÜRICH

Kolloquium über Mathematik, Informatik und Unterricht

JURAJ HROMKOVIČ (ETH Zürich, Department of Computer Science)

Ein "fairer" Mathematikunterricht. Ein Unterrichtsbeispiel - Stochastik und Kombinatorik

17:15 h. Hauptgebäude der ETH, Rämistr. 101, Zürich, Hörsaal HG F7

Friday
25.11.2011

UNIVERSITÉ DE GENÈVE

Research seminar in statistics

STEFAN SPERLICH (DSEC, Université de Genève)

tba

11:15 h. Université de Genève, salle 5220

ETH ZÜRICH

Number Theory Seminar

DAVID MASSER (University of Basel)

Pell's Equation over Polynomial Rings

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

EPF LAUSANNE

Séminaire d'analyse

NIKOLAY KUZNETSOV (Saint-Petersburg State University, Russia)

Stokes waves on vortical flows with counter-currents

15:15 h. Bâtiment de Mathématiques, Ecublens, salle MA A110

EPF LAUSANNE

Statistics seminar

MARC GENTON (Texas A&M University)

Functional Boxplots for Visualization of Complex Curve/Image Data: An Application to Precipitation and Climate Model Output

15:15 h. Bâtiment de Mathématiques, Ecublens, room MA30