

**Monday, April 30****ETH Zürich****Armin Shalile (Universität Stuttgart)**

On the center of Brauer algebras and modular character theory

12:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43

*Algebra-Topology Seminar***Universität Zürich****Pierre le Boudec (Université Denis Diderot, Institut de Mathématiques de Jussieu)**

Counting rational points on singular cubic surfaces

13:15 • Universität Irchel, Winterthurerstrasse 190, Zürich, Building Y27, Room H 25

*Advanced Seminar in Algebraic Geometry***ETH Zürich****Prof. Dr. Yurii Nesterov (Catholic University of Louvain, Belgium)**

Subgradient methods for huge-scale optimization problems

14:00 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 19.1

*IFOR talks***Université de Genève****Gaetan Borot (Université de Genève)**

Une conjecture pour l'asymptotique à tous les ordres du polynôme de Jones des noeuds hyperboliques

14:15 • Université de Genève, Section Mathématiques 2-4 rue du Lièvre, salle 623

*Séminaire Théorie des Nœuds***ETH Zürich****Peter Albers (Universität Münster)**

Periodic bounce orbits of prescribed energy

15:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43

*Symplectic Geometry Seminar***ETH Zürich****Dr. Sebastian Sager (Otto-von-Guericke Universität Magdeburg)**

Mixed-Integer Optimal Control - a biased overview

16:30 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 19.1

*Optimization and Applications Seminar***Universität Bern****Dr. Maria Michalogiorgaki (Universität Zürich)**

Smooth 4-manifolds and the rational blow-down

17:15 • Universität Bern, Sidlerstrasse 5, ExWi, Room B 78

*Mathematisches Kolloquium***Tuesday, May 1****EPF Lausanne****Tamás Hausel (EPF Lausanne)**

Positivity for Kac polynomials and DT-invariants of quiver

10:15 • EPF Lausanne, Salle MA A3 31

*Group Theory Seminar***EPF Lausanne****Carl Müller (University of Rochester, UK)**

Stochastic PDEs in terms of particle densities. Part 2

10:15 • EPF Lausanne, SB-CIB, Station 15, Auditoire AAC006

*Mini Course CIB*

<p><b>EPF Lausanne</b>  <b>Jean-Pierre Serre (Collège de France)</b>  Principe de Hasse pour les G-formes traces  15:15 • EPF Lausanne, Salle MA 30</p>	<i>Séminaire d'Algèbre et de Théorie des Nombres</i>
<p><b>Université de Fribourg</b>  <b>Pascal J. Thomas (Université Toulouse)</b>  Fonctions de Green pluricomplexe  17:15 • Université de Fribourg, Département de Mathématiques, chemin du musée 3, 1700 Fribourg, room 2.52 (Physikgebäude)</p>	<i>Colloquium</i>

**Wednesday, May 2**

<p><b>EPF Lausanne</b>  <b>Gerald Trutnau (University of Seoul and Bielefeld)</b>  On weak existence and pathwise uniqueness of skew reflected Squared Bessel and CIR processes and some applications to finance  10:15 • EPF Lausanne, SB-CIB, Station 15, Auditoire AAC 0 06</p>	<i>Séminaire Centre Interfacultaire Bernoulli</i>
<p><b>Université de Genève</b>  <b>Achim Schädle (Heinrich-Heine-Universität Düsseldorf)</b>  Curl conforming Hardy space infinite elements for Maxwell's equations  15:15 • Université de Genève, Section Mathématique, salle 623</p>	<i>Séminaire d'Analyse Numérique</i>
<p><b>Université de Genève</b>  <b>Serge Richard (Université de Lyon)</b>  Théorèmes d'indice en théorie de la diffusion  16:15 • Université de Genève, Section Mathématiques, 2-4 rue du Lièvre - salle 17</p>	<i>Séminaire de Mathématique Physique</i>
<p><b>EPF Lausanne</b>  <b>Prof. Dr. J.M. Sanz-Serna (University of Valladolid, Spain)</b>  Title T.B.A.  16:15 • EPF Lausanne, Salle MA A1 12</p>	<i>Computational Science and Engineering</i>
<p><b>Universität Zürich</b>  <b>Christina Goldschmidt (University of Oxford)</b>  The scaling limit of the minimum spanning tree of the complete graph  17:15 • UZH Irchel, Winterthurerstrasse 190, Zürich, Building Y27, Room H 25</p>	<i>Seminar on Stochastic Processes</i>

**Thursday, May 3**

<p><b>Université de Neuchâtel</b>  <b>Nathalie Aubrun (University of Turku, Finland)</b>  Tiling problems on Baumslag-Solitar groups  10:30 • Université de Neuchâtel, Rue Emile Argand 11, Auditoire B217</p>	<i>Groups and analysis</i>
<p><b>Universität Basel</b>  <b>Lars Kühne (ETH Zürich)</b>  Effective and uniform results of André-Oort type  14:15 • Universität Basel, Mathematisches Institut, Rheinsprung 21, 4051 Basel, Grosser Hörsaal</p>	<i>Seminar Zahlentheorie</i>
<p><b>Université de Genève</b>  <b>Jean-Claude Hausmann (Université de Genève)</b>  Triangles sur les courbes de Jordan de classe <math>C^1</math>  14:15 • Université de Genève, Section Mathématiques 2-4 rue du Lièvre, salle 17</p>	<i>Séminaire Théorie des Nœuds</i>
<p><b>Universität Basel</b>  <b>Prof. Dr. Wolfgang L. Wendland (Universität Stuttgart)</b>  On the Gauss problem with Riesz potential  16:15 • Universität Basel, Mathematisches Institut, Rheinsprung 21, 4051 Basel, Grosser Hörsaal</p>	<i>Perlen-Kolloquium</i>

**ETH Zürich**

*Talks in Financial and Insurance Mathematics*

**Dr. Mathias Beiglböck (Universität Wien)**

Mass Transport, Robust Pricing and Trajectorial Inequalities

17:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43

**Universität Zürich**

*Workshop in Analysis*

**Prof. Dr. Grigory Panasenکو (University of Saint Etienne)**

Partial asymptotic decomposition of thin domains; applications to the blood flow modelling

17:15 • Universität Irchel, Winterthurerstrasse 190, Zürich, Building Y27, Room H 25

**Friday, May 4**

**Universität Basel**

*Seminar in Numerical Analysis*

**Drosos Kourounis (Università della Svizzera italiana)**

Title T.B.A.

09:00 • Universität Basel, Mathematisches Institut, Rheinsprung 21, CH-4051 Basel, Grosser Hörsaal

**EPF Lausanne**

*Séminaire Centre Interfacultaire Bernoulli*

**Giambattista Giacomin (Université Paris Diderot-Paris 7)**

Interacting diffusions and periodic behaviors

10:15 • EPF Lausanne, SB-CIB, Station 15, Auditoire AAC 0 06

**Universität Basel**

*Seminar Algebra & Geometrie*

**Clemens Berger (Université de Nice)**

Title T.B.A.

10:30 • Universität Basel, Mathematisches Institut, Rheinsprung 21, CH-4051 Basel, Kleiner Hörsaal

**Université de Neuchâtel**

*LaWiNe Seminar: Sofic Groups*

**Nathalie Aubrun (University of Turku, Finland)**

Some recent advances in symbolic dynamics on  $Z^d$ . Talk 1

14:00 • Université de Neuchâtel, Rue Emile Argand 11, Auditoire B217

**ETH Zürich**

*Number Theory Seminar*

**Dr. Ambrus Pal (Imperial College London)**

The Brauer-Manin obstruction to the local-global principle for the embedding problem

14:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43

**Université de Neuchâtel**

*LaWiNe Seminar: Sofic Groups*

**Nathalie Aubrun (University of Turku, Finland)**

Symbolic dynamics on finitely presented groups. Talk 2

15:15 • Université de Neuchâtel, Rue Emile Argand 11, Auditoire B217

**EPF Lausanne**

*Statistics Seminar*

**Prof. Dr. Carlos Coelho (Universidade Nova de Lisboa)**

On the distribution of the product of independent Beta random variables - why near-exact distributions?

15:15 • EPF Lausanne, Salle MA 30

**Universität Bern**

*Colloquia on Probability and Statistics*

**Prof. Dr. Feridun Turkman (Universität Lissabon)**

Some statistical issues in the construction of annual fire risk maps based on fire frequency data

16:15 • Universität Bern, Institut für math. Statistik und Versicherungslehre, Sidlerstrasse 5, ExWi, B 78

## Special Announcements

### **Wolfgang Pauli Lectures**

Avi Wigderson (IAS)  
ETH Zürich  
May 7, 8 and 10, 2012

<http://www.pauli-lectures.ethz.ch/>

### **Fribourg Weekend in Group Theory**

Fribourg, May 18-20, 2012

<http://homeweb1.unifr.ch/ciobanul/pub/Fribourg2012.html>

### **Spring Meeting 2012 of the Swiss Mathematical Society**

Groups, Representation Theory and Related Topics  
EPFL, June 11-15, 2012

<http://yam.epfl.ch/>

address: Marianne Pfister, Departement Mathematik, ETH Zürich, Rämistrasse 101, CH-8092 Zürich  
email: [smg@math.ethz.ch](mailto:smg@math.ethz.ch) | fax: +41 44 632 1085 | phone: +41 44 632 5615 | url: <http://www.math.ch>