

**Monday, November 18****Université de Neuchâtel***Seminar on Coding Theory and Cryptography***Anja Becker (EPF Lausanne)**

Representation technique - Applications to lattice problems, decoding problems and the subset sum problem

11:00 • Université de Neuchâtel, Institut de mathématiques, Rue Emile-Argand 11, Room B217

**Université de Neuchâtel***Seminar on Coding Theory and Cryptography***Leo Storme (Ghent University, Belgium)**

Links of Galois geometries to coding theory and cryptography

13:00 • Université de Neuchâtel, Institut de mathématiques, Rue Emile-Argand 11, Room B217

**EPF Lausanne***Geometry Seminar EPFL***Dror Bar-Natan (University of Toronto)**

The Kashiwara-Vergne Problem and Topology

15:00 • EPF Lausanne, Salle MA A110

**EPF Lausanne***Geometry Seminar EPFL***Zsuzsanna Dancso (University of Toronto)**

"Bipartite algebras" and the cut and flow lattices of graphs

16:00 • EPF Lausanne, Salle MA A110

**Université de Genève***Séminaire de Mathématique Physique***Mahel Afif Younan (Université de Genève)**

Topological glasses

16:15 • Université de Genève, Section Mathématiques, 2-4, rue du Lièvre, Salle 17

**ETH Zürich***Optimization and Applications Seminar***Dr. Angelos Georghiou (Automatic Control Laboratory, ETH Zurich)**

A stochastic capacity expansion model for the UK energy system

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

**Universität Bern***Mathematisches Kolloquium***Prof. Dr. Severine Rigot (Université de Nice)**

Isodiametric problem in Carnot groups

17:15 • Universität Bern, Sidlerstrasse 5, 3012 Bern, ExWi B78

**EPF Lausanne***Soutenance de Thèse***Radu Popescu (EPF Lausanne)**

Parallel algorithms and efficient implementation techniques for finite element approximations

17:15 • EPF Lausanne, Salle CM4

**Universität Zürich***Seminar in Partial Differential Equations***Prof. Dr. Roberto Monti (Universita' di Padova)**

The regularity problem for H-minimal surface

17:15 • UZH Irchel, Winterthurerstrasse 190, Zürich, Building Y27, Room H 12

**Tuesday, November 19****ETH Zürich***Nachdiplomvorlesung***Prof. Dr. Thomas Mikosch (University of Copenhagen, Denmark)**

Time series models with heavy tails

10:00 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43

<p><b>EPF Lausanne</b>  <b>Britta Späth (Universität Kaiserslautern)</b>  A reduction theorem for Dade's projective conjecture  10:15 • EPF Lausanne, Salle MA A1 12</p>	<i>Group Theory Seminar</i>
<p><b>Université de Genève</b>  <b>Nicola Guglielmi (University of L'Aquila)</b>  On the Wilkinson problem: a method to approximate the distance of a diagonalizable matrix from defective matrices  14:15 • Université de Genève, Section Mathématiques, 2-4, rue du Lièvre, Salle 623</p>	<i>Séminaire d'Analyse Numérique</i>
<p><b>Université de Neuchâtel</b>  <b>Camillo De Lellis (Universität Zürich)</b>  Regularity and singularity of area-minimizing currents  16:00 • Université de Neuchâtel, Institut de Mathématiques, Rue Emile-Argand 11, CH-2000 Neuchâtel, Room B103</p>	<i>Colloque du Mardi</i>
<p><b>Universität Fribourg</b>  <b>Ilya Kossovskiy (Universität Wien)</b>  Divergent equivalences of CR-manifolds and geometry of singular differential equations  17:15 • Universität Fribourg, Hörsaal 2.52, Physikgebäude, 1700 Fribourg</p>	<i>Colloquium</i>

### Wednesday, November 20

<p><b>ETH Zürich</b>  <b>Prof. Dr. Mihalis Dafermos (University of Cambridge, UK)</b>  The geometry and analysis of black holes in general relativity  10:00 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43</p>	<i>Nachdiplomvorlesung</i>
<p><b>Universität Bern</b>  <b>Tobias Fissler (Universität Bern)</b>  A test for the rank of the volatility process in the presence of noise  10:15 • Universität Bern, Sidlerstrasse 5, Room B77</p>	<i>Institute Seminar</i>
<p><b>Université de Fribourg</b>  <b>Jeno Szirmai (Budapest University of Technology and Economics)</b>  Geodesic and translation ball packings in Thurston geometries  10:20 • Université de Fribourg, Chemin du Musée 23, Lonza (Math II) seminar room</p>	<i>Oberseminar Geometrie</i>
<p><b>ETH Zürich</b>  <b>Piotr Przytycki (Polish Academy of Sciences )</b>  Cocompact cubulations of graph manifolds  15:45 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43</p>	<i>Geometry Seminar</i>
<p><b>Universität Basel</b>  <b>Prof. Dr. Christine Riedtmann (Universität Bern)</b>  Einführungskurs für Hacker  17:15 • Universität Basel, Mathematisches Institut, Rheinsprung 21, 4051 Basel, Grosser Hörsaal</p>	<i>Das Basler Kolloquium für Mathematiklerpersonen</i>

### Thursday, November 21

<p><b>Université de Genève</b>  <b>Bram Petri (Université de Fribourg)</b>  The systole of a random surface  14:15 • Université de Genève, Section Mathématiques, 2-4, rue du Lièvre, Salle 17</p>	<i>Séminaire de Topologie et Géométrie</i>
<p><b>ETH Zürich</b>  <b>Ozgun Ceyhan (University of Luxembourg)</b>  Feynman integrals, motives and periods of configuration spaces  15:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43</p>	<i>Talks in Mathematical Physics</i>

**Universität Bern**

*Institute Seminar*

**Paul Ruppen (Universität Bern)**

Item Response Theory: Darlegung einiger Grundideen und Diskussion problematischer Aspekte (M.Sc. thesis)

17:15 • Universität Bern, Sidlerstrasse 5, Room B77

**Friday, November 22**

**Universität Basel**

*Seminar Algebra & Geometrie*

**Andriy Regeta (Universität Basel)**

Lie subalgebras of vector fields and the Jacobian Conjecture

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

**Universität Basel**

*Seminar in Numerical Analysis*

**Armin Lechleiter (Universität Bremen)**

Inside-Outside Duality and Computation of Interior Eigenvalues from Far-Field Data

11:00 • Universität Basel, Mathematisches Institut, Rheinsprung 21, 4051 Basel, Grosser Hörsaal

**ETH Zürich**

*Number Theory Seminar*

**Prof. Dr. Olav Richter (University of North Texas, USA)**

Siegel modular forms mod  $p$  and  $U(p)$ -congruences

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

**EPF Lausanne**

*Séminaire de Topologie*

**Alexandre Quesney (Université de Nantes)**

Batalin-Vilkovisky algebra via the double cobar construction

14:15 • EPF Lausanne, Salle MA 10

**ETH Zürich**

*Algebraic Geometry and Moduli Seminar*

**Dr. Victoria Hoskins (Universität Zürich)**

Title T.B.A.

16:00 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43

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