

**Monday, December 14****Universität Zürich****Prof. Dr. Andrei Teleman (Aix-Marseille Université)**

Monopoles and complex surfaces

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

*Oberseminar: Algebraische Geometrie***ETH Zürich****Terry Gannon (University of Alberta)**

Title T.B.A.

15:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 19.2

*Talks in Mathematical Physics***Universität Bern****Dr. Peter Feller (Boston College)**

Genera of 2-bridge knots

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

*Mathematisches Kolloquium***Tuesday, December 15****ETH Zürich****Prof. Dr. Martin Wainwright (University of California, Berkeley)**

Statistics meets Optimization: Randomization and approximation for high-dimensional problems

10:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43

*Nachdiplomvorlesung***Université de Genève****Volodymyr Nekrashevych (Texas A&M and CIB)**

Simple periodic groups

10:30 • Université de Genève, Section Mathématiques, 2-4, rue du Lièvre, Salle 623

*Groupes et Géométrie***Université de Neuchâtel****Olaf Post (Universität Trier)**

Cheeger inequalities for magnetic Laplacians

11:00 • Université de Neuchâtel, Institut de Mathématiques, Rue Emile - Argand 11, CH-2000 Neuchâtel, Auditoire A218

*Groups and analysis***Université de Genève****Nicolas Boumal (Inria & ENS Paris)**

Phase synchronization: an example of global optimality on manifolds

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

*Séminaire d'Analyse Numérique***ETH Zürich****Jonas Luehrmann (ETH)**

Concentration Compactness for the Critical Maxwell-Klein-Gordon Equation

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

*Analysis Seminar***EPF Lausanne****François Labourie (Université de Nice)**

Variations along the Fuchsian locus

15:15 • EPF Lausanne, Salle CHB331

*Geometry Seminar EPFL***Université de Neuchâtel****Thomas Willwacher (Universität Zürich)**Small representations of  $\text{Out}(F_n)$  and the structure of the hairy graph complex

17:00 • Université de Neuchâtel, Institut de Mathématiques, Rue Emile-Argand 11, CH-2000 Neuchâtel, Room B103

*Colloque du Mardi*

|   |                          |
|---|--------------------------|
| <p><b>Université de Fribourg</b><br/> <b>Prof. Dr. Gerd Schmalz (UNE / Max-Planck-Institute Bonn)</b><br/> Rigid CR-spheres<br/> 17:15 • Université de Fribourg, room Phys 2.52</p> | <p><i>Colloquium</i></p> |
|---|--------------------------|

**Wednesday, December 16**

|  |                                     |
|--|-------------------------------------|
| <p><b>Université de Fribourg</b><br/> <b>Dr. Matthieu Jacquemet (Université de Fribourg)</b><br/> Old and new on the classification of hyperbolic Coxeter groups<br/> 10:20 • Université de Fribourg, Chemin du Musée 23, Lonza (Math II) seminar room</p> | <p><i>Oberseminar Geometrie</i></p> |
|--|-------------------------------------|

|   |   |
|---|---|
| <p><b>ETH Zürich</b><br/> <b>Dr. Dustin Ross (University of Michigan)</b><br/> Applications of Axiomatic Gromov-Witten Theory III<br/> 13:30 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43</p> | <p><i>Algebraic Geometry and Moduli Seminar</i></p> |
|---|---|

|  |                                   |
|--|-----------------------------------|
| <p><b>Universität Basel</b><br/> <b>Alessandra Pluda (Università di Pisa)</b><br/> Networks of curves in the plane moving by curvature<br/> 14:15 • Universität Basel, Fachbereich Mathematik, Spiegelgasse 1, Room 00.003</p> | <p><i>Seminar in Analysis</i></p> |
|--|-----------------------------------|

|   |   |
|---|---|
| <p><b>Universität Zürich</b><br/> <b>Alessandro Chiesa (UC Berkeley)</b><br/> Cycles of elliptic curves: applications and open problems<br/> 15:00 • UZH Irchel, Winterthurerstrasse 190, Zürich, Building Y27, Room H 28</p> | <p><i>Seminar on Coding Theory and Cryptography</i></p> |
|---|---|

|   |                                |
|---|--------------------------------|
| <p><b>ETH Zürich</b><br/> <b>Adrien Le Boudec (Université Paris-Sud 11)</b><br/> Title T.B.A.<br/> 15:45 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43</p> | <p><i>Geometry Seminar</i></p> |
|---|--------------------------------|

|   |   |
|---|---|
| <p><b>Universität Zürich</b><br/> <b>Leyla Işık (Sabanci University, Turkey)</b><br/> On Complete Maps and Value Sets of Polynomials Over Finite Fields<br/> 16:00 • UZH Irchel, Winterthurerstrasse 190, Zürich, Building Y27, Room H 28</p> | <p><i>Seminar on Coding Theory and Cryptography</i></p> |
|---|---|

|  |  |
|--|--|
| <p><b>Universität Zürich</b><br/> <b>Prof. Dr. Josselin Garnier (Université Paris-Diderot)</b><br/> The random paraxial wave equation and application to correlation-based imaging<br/> 16:15 • UZH Irchel, Winterthurerstrasse 190, Zürich, Building Y27, Room H 25</p> | <p><i>Zurich Colloquium in Applied and Computational Mathematics</i></p> |
|--|--|

|  |   |
|--|---|
| <p><b>EPF Lausanne</b><br/> <b>Prof. Dr. Michel Bierlaire (EPF Lausanne)</b><br/> Title T.B.A.<br/> 16:15 • EPF Lausanne, Salle MA A1 10</p> | <p><i>Computational Science and Engineering</i></p> |
|--|---|

**Thursday, December 17**

|  |                                   |
|--|-----------------------------------|
| <p><b>ETH Zürich</b><br/> <b>Prof. Dr. Walter Schachermayer (ETH-ITS / Universität Wien)</b><br/> The asymptotic theory of transaction costs<br/> 10:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43</p> | <p><i>Nachdiplomvorlesung</i></p> |
|--|-----------------------------------|

|   |                                     |
|---|-------------------------------------|
| <p><b>Universität Basel</b><br/> <b>Monica Bugeanu (Universität Basel)</b><br/> Title T.B.A.<br/> 12:15 • Universität Basel, Departement Mathematik und Informatik, Spiegelgasse 1, SR 00.003</p> | <p><i>Bernoullis Tafelrunde</i></p> |
|---|-------------------------------------|

**EPF Lausanne**

**Adrien Le Boudec (Université Louvain-la-Neuve)**

Title T.B.A.

13:00 • EPF Lausanne, Salle MA 31

*Ergodic and Geometry Group Theory*

**ETH Zürich**

**Jasper Stokman (University of Amsterdam)**

Elliptic solutions of dynamical Yang-Baxter equations arising from connection problems

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

*Talks in Mathematical Physics*

**ETH Zürich**

**Vladimir Ulyanov (Moscow State University)**

Cornish-Fisher expansions and their generalizations for quantiles

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

*Talks in Financial and Insurance Mathematics*

**Universität Zürich**

**Dr. Renato Luca' (ICMAT)**

Title T.B.A.

18:15 • UZH Irchel, Winterthurerstrasse 190, Zürich, Building Y27, Room H 35/36

*Seminar PDE and Mathematical Physics*

**Friday, December 18**

*No events scheduled today!*

### Special Announcements

#### Random Processes and Random Media

*Conference on the occasion of Alain-Sol Sznitman's 60th birthday*

ETH Zürich

January 11-15, 2016

<https://www.math.ethz.ch/fim/conferences/Sznitman60.html>

#### Sir Roger Penrose: Consciousness and the Laws of Physics

Luzern

January 16, 2016

[http://www.neugalu.ch/d\\_bienn\\_2016.html](http://www.neugalu.ch/d_bienn_2016.html)

#### Séminaire Borel

*Matroids in Algebra, Representation theory and Topology*

Les Diablerets

January 24-29, 2016

<http://www.maestran.ch/ACT/CM/sm-art/>

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>

