

## Monday, May 20

**EPF Lausanne***Talks in Mathematical Finance***Peter Zweifel (Universität Zürich)**

Portability of deposits and policies: Why do banks react differently from insurers?

12:00 • EPF Lausanne, Quartier UNIL - Dorigny, Salle Extranef 126

**Universität Zürich***Oberseminar: Algebraische Geometrie***Dr. Yuki Hirano (University of Tokyo)**

Derived factorisation categories of non-Thom--Sebastiani-type sum of potentials

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

**Université de Genève***Séminaire "Fables Géométriques"***Ziming Ma (Chinese University of Hong Kong)**

Geometry of the Maurer-Cartan equation near degenerate Calabi-Yau varieties

14:00 • Université de Genève, Villa Battelle, 7 route de Drize, 1227 Carouge

**ETH Zürich***Symplectic Geometry Seminar***Alexander Fauck (Humboldt-Universität Berlin)**

Some manifolds with infinitely many fillable contact structures

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

**Universität Zürich***Zurich Colloquium in Mathematics***Prof. Dr. Vaughan F.R. Jones (UC Berkeley)**

What on earth is going on with subfactors?

16:15 • UZH Irchel, Winterthurerstrasse 190, Zürich, Building Y27, Room H 28

**Universität Bern***Mathematisches Kolloquium***Dr. Tomasz Pelka (Polish Academy of Science)**

Planar rational cuspidal curves

17:00 • Universität Bern, Sidlerstrasse 5, 3012 Bern, Lecture Room 119

**Université de Fribourg***Oberseminar Topologie***Kevin Kalbermatter (Université de Fribourg)**

A variational proof of Gromov's non-squeezing theorem

17:30 • Université de Fribourg, Chemin du Musée 23, Phy 2.52

## Tuesday, May 21

**EPF Lausanne***Workshop CIB*

Computational mathematics for model reduction and predictive modelling in molecular and complex systems

08:00 • EPF Lausanne, Room GA 3 21

**ETH Zürich***Nachdiplomvorlesung***Raphaël Krikorian (Université de Cergy-Pontoise)**

Spectral and dynamical aspects of the theory of quasi-periodic Schrödinger operators

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

**EPF Lausanne***Séminaire de Topologie***Brenda Johnson (Union College)**

Title T.B.A.

10:15 • EPF Lausanne, Salle MA 12

**Université de Genève***Groupes et Géométrie***Mikhail Shkolnikov (IST Wien)**

What does it mean to solve the sandpile model?

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

<p><b>Universität Basel</b>  <b>Niko Beerenwinkel (ETH Zürich)</b>            Title T.B.A.            10:30 • Universität Basel, Fachbereich Mathematik, Spiegelgasse 5, Seminar Room 05.002</p>	<i>Seminar Algebra &amp; Geometrie</i>
<p><b>EPF Lausanne</b>  <b>Floriana Amicone (University of Manchester)</b>            Modular invariant theory of periodically graded Lie algebras            14:00 • EPF Lausanne, Salle PH H3 33</p>	<i>Groups, Arithmetic and Algebraic Geometry Seminar</i>
<p><b>ETH Zürich</b>  <b>Prof. Dr. Armin Schikorra (University of Pittsburgh)</b>            Title T.B.A.            15:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43</p>	<i>Analysis Seminar</i>
<p><b>Université de Fribourg</b>  <b>Achill Schürmann (Universität Rostock)</b>            Exploiting Symmetries in Computations with Lattice Polytopes            17:15 • Université de Fribourg, room Phys 2.52</p>	<i>Colloquium</i>
<b>Wednesday, May 22</b>	
<p><b>Université de Fribourg</b>  <b>Leo Brunswick (ENS Lyon)</b>            Title T.B.A.            10:20 • Université de Fribourg, Chemin du Musée 23, Lonza (Math II) seminar room</p>	<i>Oberseminar Geometrie</i>
<p><b>Université de Lausanne</b>  <b>Mogens Bladt (University of Copenhagen)</b>            A matrix-approach life-insurance modelling            11:00 • Université de Lausanne, Quartier UNIL - Dorigny, Salle Extranef 110</p>	<i>Talks in Actuarial Mathematics</i>
<p><b>EPF Lausanne</b>  <b>Liyang Yang (Caltech)</b>            Effective non-vanishing results for class group L-functions of CM fields            14:15 • EPF Lausanne, Salle tba</p>	<i>Groups, Arithmetic and Algebraic Geometry Seminar</i>
<p><b>ETH Zürich</b>  <b>Haakon Bakka (King Abdullah University)</b>            Fundamental ideas of the stochastic partial differential equations approach to defining random effects            15:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 19.1</p>	<i>Research Seminar in Statistics</i>
<p><b>ETH Zürich</b>  <b>Virginie Charette (Université de Sherbrooke)</b>            Title T.B.A.            15:45 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43</p>	<i>Geometry Seminar</i>
<p><b>Université de Neuchâtel</b>  <b>Hugues Mercier (Université de Neuchâtel)</b>            Title T.B.A.            16:00 • Université de Neuchâtel, Institut de Mathématiques, Rue Emile Argand 14, Auditoire B217</p>	<i>Seminar on Coding Theory and Cryptography</i>
<p><b>Universität Zürich</b>  <b>Prof. Dr. Stefan Steinerberger (Yale University)</b>            Sampling on Manifolds and Finite Graphs            16:15 • UZH Irchel, Winterthurerstrasse 190, Zürich, Building Y27, Room H25</p>	<i>Zurich Colloquium in Applied and Computational Mathematics</i>

**Thursday, May 23**

**Universität Zürich**

*Seminar PDE and Mathematical Physics*

**Bruno Vergara (ICMAT Madrid)**

Carleman estimates and boundary observability for waves with critically singular potentials

14:00 • UZH Irchel, Winterthurerstrasse 190, Zürich, Building Y27, Room H 12

**Université de Genève**

*Séminaire de Topologie et Géométrie*

**Louis Ioos (Tel Aviv University)**

La Conjecture Asymptotique de Witten pour les représentations quantiques du Mapping Class Group

14:15 • Université de Genève, Section Mathématiques, Centre Acacias II, Salle 17

**Universität Basel**

*Seminar Zahlentheorie*

**Giuseppe Melfi (Université de Neuchâtel)**

Title T.B.A.

14:15 • Universität Basel, Fachbereich Mathematik, Spiegelgasse 5, Seminar Room 00.003

**EPF Lausanne**

*Statistics Seminar*

**Prof. Dr. Rainer von Sachs (UC Louvain)**

Intrinsic wavelet smoothing of curves and surfaces of Hermitian positive definite matrices

15:15 • EPF Lausanne, Salle CM 1 113

**ETH Zürich**

*Talks in Mathematical Physics*

**Andrea Nützi (ETH Zürich, Switzerland)**

Title T.B.A.

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

**ETH Zürich**

*Talks in Financial and Insurance Mathematics*

**Martin Keller-Ressel (Technische Universität Dresden: Institut für Mathematische Stochastik)**

Title T.B.A.

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

**Friday, May 24**

**EPF Lausanne**

*Talks in Mathematical Finance*

**Dean Corbae (University of Wisconsin-Madison)**

Title T.B.A.

10:30 • EPF Lausanne, Quartier UNIL - Dorigny, Salle Extranef 126

**Universität Basel**

*Seminar in Numerical Analysis*

**Florian Faucher (Université de Pau, France)**

Title T.B.A.

11:00 • Universität Basel, Mathematisches Institut, Spiegelgasse 5, 4051 Basel, Raum 05.001

**EPF Lausanne**

*Séminaire d'Analyse*

**Prof. Dr. Thierry Gallay (Institut Fourier, Université Grenoble Alpes)**

Spectral stability of inviscid columnar vortices

14:15 • EPF Lausanne, Salle MA B1 11

**ETH Zürich**

*Number Theory Seminar*

**Prof. Dr. Adam Harper (University of Warwick)**

Title T.B.A.

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

**ETH Zürich**

*Research Seminar in Statistics*

**Bin Yu (UC Berkeley)**

Three principles of data science: predictability, computability, and stability (PCS)

15:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 19.1

**EPF Lausanne**

*Statistics Seminar*

**Prof. Dr. Clément Hongler (EPF Lausanne)**

Neural Tangent Kernel and Applications

15:15 • EPF Lausanne, Salle CM 1 113

**ETH Zürich**

*Algebraic Geometry and Moduli Seminar*

**Dr. Drew Johnson (ETH Zürich)**

Title T.B.A.

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

**EPF Lausanne**

*Soutenance de Thèse*

**Nóra Gabriella Szoke (EPF Lausanne)**

Extensive amenability and a Tits alternative for topological full groups

17:00 • EPF Lausanne, Salle MA B1 11

## Special Announcements

### SMS Annual Meeting and Conference

University of Neuchâtel

June 12-14, 2019

<https://math.ch/activities/annual-meeting-2019/>

### SMS Public Lecture 2019

Alan Reid (Rice University)

*Arithmetic of hyperbolic 3-manifolds*

University of Neuchâtel

June 12, 2019

<https://math.ch/activities/annual-meeting-2019/>

### SIAM Conference on Applied Algebraic Geometry

University of Bern

July 9-13, 2019

<https://mathsites.unibe.ch/siamag19/>

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>

