

## Monday, December 5

## Universität Basel

Ulrik Hansen (Université de Fribourg)

Self-Avoiding Walks and Parafermionic Observables

12:15 • Universität Basel, Spiegelgasse 5, Seminarraum 05.002

*Bernoullis Tafelrunde*

## Universität Zürich

Prof. Dr. Clark Barwick (University of Edinburgh)

Title T.B.A.

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

*Oberseminar: Algebraische Geometrie*

## Universität Zürich

Colin Guillarmou (CNRS and Université Paris-Saclay)

Tba

13:30 • UZH Irchel, Winterthurerstrasse 190, Zürich, Building Y27, Room H 28

*Ergodic Theory and Dynamical Systems Seminar*

## ETH Zürich

Oliver Edtmair (U.C. Berkeley)

Symplectic Weyl laws – an elementary perspective

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

*Symplectic Geometry Seminar*

## EPF Lausanne

Prof. Dr. Artur Avila (Universität Zürich &amp; IMPA)

Renormalization, fractal geometry, and the Newhouse phenomenon

17:00 • EPF Lausanne, Salle CM 1 5

*Mathematics Colloquium*

## Université de Fribourg

Sam Hagh Shenash Noshari (Uni Fribourg)

On the equivariant cohomology of certain generalised symmetric spaces

17:00 • Université de Fribourg, 0.05 PER23

*Oberseminar Topologie*

## Universität Bern

Dr. Bernadette Stolz (EPF Lausanne)

Applications of global and local persistent homology for the shape and classification of biological data

17:15 • Universität Bern, Sidlerstrasse 5, 3012 Bern, Lecture Room B6

*Mathematisches Kolloquium*

## Tuesday, December 6

## Universität Basel

Irène Meunier (Universität Basel)

A study of dynamical degrees of polynomial automorphisms of the affine space via their action on the space of valuations

10:30 • Universität Basel, Spiegelgasse 1, Seminarraum 00.003

*Seminar Algebra & Geometrie*

## Université de Genève

Ibrahim Almuslimani (INRIA Rennes &amp; Université de Rennes)

Conservative stabilized Runge–Kutta methods for the Vlasov–Fokker–Planck equation

14:00 • Université de Genève, Conseil Général 7-9, Room 1-05

*Séminaire d'Analyse Numérique*

## EPF Lausanne

Thibault Décoppet (University of Oxford)

Title T.B.A.

14:15 • EPF Lausanne, Salle MA A3 30

*Séminaire de Topologie*

## ETH Zürich

Prof. Dr. Ali Hyder (TIFR CAM Bangalore, India)

Blow-up analysis and partial regularity results for Liouville type equations

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

*Analysis Seminar*

<p><b>EPF Lausanne</b>  <b>Tobias Rossmann (NUI Galway)</b>  Zeta functions in asymptotic algebra  15:15 • EPF Lausanne, Salle MA A3 31</p>	<i>Groups, Arithmetic and Algebraic Geometry Seminar</i>
<p><b>EPF Lausanne</b>  <b>Jakob Zech (Universität Heidelberg)</b>  Operator learning in Uncertainty Quantification  16:00 • EPF Lausanne, room GA 3 21</p>	<i>Computational Science and Engineering</i>
<p><b>Université de Neuchâtel</b>  <b>Felix Foutel Rodier (University of Oxford)</b>  General epidemiological models: law of large numbers and contact-tracing  17:00 • Université de Neuchâtel, Rue Emile Argand 11, Auditoire B104</p>	<i>Colloque du Mardi</i>
<p><b>Université de Fribourg</b>  <b>Kirsi Peltonen (Aalto University and University of Helsinki)</b>  IN TRANSITION – Mathematics, Arts, Design and Architecture  17:15 • Université de Fribourg, room Phys 2.52</p>	<i>Colloquium</i>

<b>Wednesday, December 7</b>	
<p><b>ETH Zürich</b>  <b>Jean-Christophe Mourrat (Ecole Normale Supérieure de Lyon)</b>  A PDE approach to mean-field disordered systems  10:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43</p>	<i>Nachdiplomvorlesung</i>
<p><b>Université de Fribourg</b>  <b>Lukas Lewark (Universität Regensburg)</b>  Unknotting, untwisting and surfaces in 4-space  10:20 • Université de Fribourg, room Phys 2.52</p>	<i>Oberseminar Geometrie</i>
<p><b>ETH Zürich</b>  <b>Prof. Dr. Dimitri Zvonkine (Versailles and CNRS)</b>  Title T.B.A.  13:30 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43</p>	<i>Algebraic Geometry and Moduli Seminar</i>
<p><b>Universität Basel</b>  <b>Hyunju Kwon (ETH Zürich)</b>  A strong Onsager conjecture on the Euler equations  14:15 • Universität Basel, Spiegelgasse 5, SR 05.002</p>	<i>Seminar in Analysis</i>
<p><b>EPF Lausanne</b>  <b>Javier Fresan (Ecole Polytechnique Palaiseau)</b>  Title T.B.A.  14:15 • EPF Lausanne, Salle GR A3 31</p>	<i>Groups, Arithmetic and Algebraic Geometry Seminar</i>
<p><b>Universität Zürich</b>  <b>Gianira Nicoletta Alfarano (University of Eindhoven)</b>  Title T.B.A.  15:00 • UZH Irchel, Winterthurerstrasse 190, Zürich, Building Y27, Room H 12</p>	<i>Seminar on Coding Theory and Cryptography</i>
<p><b>ETH Zürich</b>  <b>Dr. Johannes Schmitt (Universität Zürich)</b>  Title T.B.A.  15:30 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43</p>	<i>Algebraic Geometry and Moduli Seminar</i>
<p><b>Universität Zürich</b>  <b>Alessandro Neri (Universität Zürich)</b>  Title T.B.A.  16:30 • UZH Irchel, Winterthurerstrasse 190, Zürich, Building Y27, Room H 12</p>	<i>Seminar on Coding Theory and Cryptography</i>

**ETH Zürich**

*Seminar on Stochastic Processes*

**Dr. Alexis Prévost (Université de Genève)**

Generating Galton-Watson trees using random walks and percolation for the Gaussian free field

17:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 19.1

## Thursday, December 8

**EPF Lausanne**

*Groups, Arithmetic and Algebraic Geometry Seminar*

**Stefan Kebekus (Universität Freiburg i.Br.)**

Title T.B.A.

10:15 • EPF Lausanne, Salle GR A3 32

**Universität Basel**

*Seminar Zahlentheorie*

**Seoyoung Kim (Universität Göttingen)**

Various implications of the Nagao-Mestre sum

14:15 • Universität Basel, Spiegelgasse 5, SR 05.002

**Universität Zürich**

*PDE and Mathematical Physics*

**Ryan Unger**

Title T.B.A.

16:00 • UZH Zentrum, Building KOL, Room G209

**Universität Basel**

*Number Theory Web Seminar*

**Laura DeMarco (Harvard University)**

Lattès maps, bifurcations, and arithmetic

17:00 • Universität Basel, online Seminar

**Universität Zürich**

*Zurich Colloquium in Applied and Computational Mathematics*

**Prof. Dr. Wolfgang Hackbusch (Max-Planck-Institut für Mathematik in den Naturwissenschaften)**

Recursive low-rank truncation of matrices

17:00 • UZH Irchel, Winterthurerstrasse 190, Zürich, Building Y27, Room H 28

**ETH Zürich**

*Kolloquium über Mathematik, Informatik und Unterricht*

**Regula Lacher (ETH Zürich)**

**Juraj Hromkovic (ETH Zürich)**

**Mathilde Rüfenacht (ETH Zürich)**

Data Science im Fach Informatik oder wie Informatikunterricht Mathematik stärken kann. Vorstellung des zweiten Bandes des Lehrmittels Informatik für Maturitätsschulen.

17:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 19.1

## Friday, December 9

**EPF Lausanne**

*Talks in Mathematical Finance*

**Nora M. Pankratz (Federal Reserve System)**

Climate Change and Adaptation in Global Supply-Chain Networks

10:30 • EPF Lausanne, UniL campus, Extranef 126

**Universität Basel**

*Seminar in Numerical Analysis*

**Patrick Ciarlet (ENSTA Paris)**

T-coercivity: a practical tool for the study of variational formulations

11:00 • Universität Basel, Spiegelgasse 5, room 05.001

**ETH Zürich**

*Number Theory Seminar*

**Prof. Dr. Jan Hendrik Bruinier (TU Darmstadt)**

Title T.B.A.

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

**EPF Lausanne**

*Statistics Seminar*

**Sebastian Engelke (Université de Genève)**

Extremal graphical models

15:15 • EPF Lausanne, Salle MA A1 12

**ETH Zürich**

*Algebraic Geometry and Moduli Seminar*

**Dr. Adam Afandi (Universität Münster)**

An Ehrhart theory for tautological intersection numbers

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

## Special Announcements

### SNSF Scientific Image Competition

Submission Deadline: January 23, 2023

<https://www.snf.ch/en/xcDCNJikRZXwYWC5/page/science-communication/image-competition>

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