

**Monday, October 31****Universität Basel****Alessio Cangini (Universität Basel)**

A gentle introduction to the Schinzel-Zassenhaus conjecture and its proof

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

*Bernoullis Tafelrunde***Universität Zürich****Wooyeon Kim (ETHZ)**

Divergent on average trajectories for higher rank actions

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

*Ergodic Theory and Dynamical Systems Seminar***ETH Zürich****Patricia Dietzsch (ETH Zürich)**

Dehn twists along real Lagrangian spheres

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

*Symplectic Geometry Seminar***Universität Bern****Prof. Dr. Bruno Franchi (University of Bologna)**

Regular submanifolds and graphs in Carnot groups

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

*Mathematisches Kolloquium***Tuesday, November 1****Université de Genève****Georgii Veprev (Université de Genève)**

Slow entropy-type invariants for group actions

10:30 • Université de Genève, Conseil Général 7-9, Room 1-05

*Groupes et Géométrie***Universität Basel****Mani Esna-Ashari (Universität Basel)**

Title T.B.A.

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

*Seminar Algebra & Geometrie***Université de Genève****Simone Deparis (EPF Lausanne)**

Title T.B.A.

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

*Séminaire d'Analyse Numérique***EPF Lausanne****Nicola Gambino (University of Manchester)**

Title T.B.A.

14:15 • EPF Lausanne, Salle MA A3 30

*Séminaire de Topologie***ETH Zürich****Prof. Dr. Thomas Nikolaus (Universität Münster)**

Algebraic K-Theory and higher algebra

16:30 • ETH Zentrum, Building KO2, Room F 150

*Zurich Colloquium in Mathematics***Wednesday, November 2****ETH Zürich****Jean-Christophe Mourrat (Ecole Normale Supérieure de Lyon)**

A PDE approach to mean-field disordered systems

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

*Nachdiplomvorlesung*

**ETH Zürich**

*Algebraic Geometry and Moduli Seminar*

**Dr. Fenglong You (ETH Zürich)**

Structures in relative Gromov-Witten theory

13:30 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43

**EPF Lausanne**

*Groups, Arithmetic and Algebraic Geometry Seminar*

**Tanguy Vernet (EPF Lausanne)**

Rational singularities for moment maps of totally negative quivers

14:15 • EPF Lausanne, Salle GR A3 31

**EPF Lausanne**

*Talks in Mathematical Finance*

**Marc Arnold (Universität St. Gallen)**

Creditor Control Rights and the Pricing of Private Debt

15:00 • EPF Lausanne, UniL campus, Extranef 125

**Université de Neuchâtel**

*Seminar on Coding Theory and Cryptography*

**Benjamin Jany (University of Kentucky)**

Title T.B.A.

15:00 • Université de Neuchâtel, online seminar

**ETH Zürich**

*Geometry Seminar*

**Mireille Soergel (ETH Zürich, Switzerland)**

Title T.B.A.

15:45 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43

**ETH Zürich**

*Seminar on Stochastic Processes*

**Prof. Dr. Antti Knowles (Université de Genève)**

Title T.B.A.

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

### Thursday, November 3

**EPF Lausanne**

*Groups, Arithmetic and Algebraic Geometry Seminar*

**Woonam Lim (ETH Zürich)**

Virasoro constraints in sheaf theory and vertex algebras

10:15 • EPF Lausanne, Salle GR A3 32

**ETH Zürich**

*Talks in Mathematical Physics*

**Gabriele Rembado (Universität Bonn)**

Wild mapping class groups

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

**Universität Zürich**

*PDE and Mathematical Physics*

**Dr. Léo Bigorgne (Université de Rennes 1)**

Modified scattering for small data solutions to the Vlasov-Maxwell system

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

**ETH Zürich**

*ETH-FDS seminar*

**Holger Rauhut (RWTH Aachen)**

The implicit bias of gradient descent for learning linear neural networks

16:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room F 3

**ETH Zürich**

*ITS Science Colloquium*

**Corinna Ulcigrai (Universität Zürich and ETH-ITS)**

Explaining diffusion and symbolic patterns through dynamics

16:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room E 5

**Universität Basel**

*Number Theory Web Seminar*

**Shai Evra (Hebrew University of Jerusalem)**

Title T.B.A.

17:00 • Universität Basel, online Seminar

**ETH Zürich**

*Talks in Financial and Insurance Mathematics*

**Prof. Dr. Łukasz Delong (SGH Warsaw School of Economics)**

The use of autoencoders for training neural networks with mixed categorical and numerical features

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

## Friday, November 4

**EPF Lausanne**

*Talks in Mathematical Finance*

**Zhi Da (Université Notre Dame, France)**

Title T.B.A.

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

**Universität Basel**

*Seminar in Numerical Analysis*

**Naomi Schneider (Universität Siegen)**

Determination of a learnt best basis for two geoscientific inverse problems

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

**Universität Bern**

*Colloquia on Probability and Statistics*

**PD Dr. Giusi Moffa (Universität Basel)**

Bayesian methods for structure learning and intervention effects, combining data from experimental and observational studies

16:00 • Universität Bern, Alpeneggstrasse 22, 3012 Bern, Hörsaal -203

## Special Announcements

**EULER-BERNOULLI: yesterday - today - tomorrow**

Symposium "A milestone in the Euler-Bernoulli editions"

University of Basel

October 28-29, 2022

<https://dmi.unibas.ch/en/news-events/detail/euler-bernoulli-gestern-heute-morgen/>

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