

Monday, December 9

ETH Zürich

[Nachdiplomvorlesung](#)**Tom Mrowka (Massachusetts Institute of Technology)**

Floer homology of three manifolds and applications to low dimensional topology

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

EPF Lausanne

[Theory and Combinatorics Seminar](#)**Weiqiang Yuan**

Title T.B.A.

11:00 • EPF Lausanne

ETH Zürich

[Symplectic Geometry Seminar](#)**Matthias Meiwes (Tel Aviv University)**

Entropy and links in 3D Reeb flows

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

Universität Bern

[Mathematisches Kolloquium](#)**Prof. Dr. Guofang Wang (Universität Freiburg)**[The logarithmic Sobolev inequality and the ABP method](#)

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

Tuesday, December 10

ETH Zürich

[Nachdiplomvorlesung](#)**Gigliola Staffilani (Massachusetts Institute of Technology)**

Dispersive equations and wave turbulence theory

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

Université de Genève

[Groupes et Géométrie](#)**Konstantinos Tsougkas (University of Skövde)**

Discrete and regularized Laplacian determinants on fractals

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

Universität Basel

[Bernoullis Tafelrunde](#)**Luzia Nora Felber (Allschwil / Basel)**[Bernoulli meets Mosquito Control Trials](#)

12:15 • Universität Basel, Seminarraum 00.003, Spiegelgasse 1

EPF Lausanne

[Groups, Arithmetic and Algebraic Geometry Seminar](#)**Emmanuel Kowalski**

Title T.B.A.

13:15 • EPF Lausanne, CO 123

Université de Genève

[Séminaire d'Analyse Numérique](#)**Martin Schreiber (Université de Grenoble)**

Breaking through the barrier of time integration for climate and weather simulations

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

ETH Zürich

[Analysis Seminar](#)**Gerard Orriols Gimenez (ETH Zürich, Switzerland)**

Title T.B.A.

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

Universität Zürich

[Zurich Graduate Colloquium](#)**Lycka Drakengren (ETH)**

What is... the Torelli map?

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

Wednesday, December 11

EPF Lausanne

[Geometry Seminar](#)

Martina Jørgensen

[Injective hulls and higher rank hyperbolicity](#)

11:15 • [EPF Lausanne, CH B3 31](#)

EPF Lausanne

[Groups, Arithmetic and Algebraic Geometry Seminar](#)

Javier Fresan

Title T.B.A.

13:15 • EPF Lausanne, CM 0 10

Universität Zürich

[Ergodic theory and dynamical systems seminar](#)

Dr. Meg Doucette (University of Maryland)

Title T.B.A.

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

ETH Zürich

[Algebraic Geometry and Moduli Seminar](#)

Dr. Pim Spelier (Utrecht University)

Title T.B.A.

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

EPF Lausanne

[Séminaire de Topologie](#)

Qi Zhu (MPIM Bonn)

[Condensed Anima as a Fractured Topos](#)

14:15 • [EPF Lausanne](#)

Universität Neuchatel

[Neuchatel - St.Gallen - Zurich Seminar in Coding Theory and Cryptography](#)

Prof. Dr. Irene Villa (Università degli Studi di Trento)

Title T.B.A.

15:00 • Uni Neuchatel, B217

ETH Zürich

[Geometry Seminar](#)

Mikolaj Fraczyk (Jagiellonian University, Krakow)

On the number of generators of higher rank lattices

15:30 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43

EPF Lausanne

[Probability \(and Stochastic Analysis\) Seminar](#)

Rama Cont (Oxford)

Probability Seminar

16:00 • EPF Lausanne, MA B2 485

ETH Zürich

[Zurich Colloquium in Applied and Computational Mathematics](#)

Dr. Federico Pichi (SISSA, Trieste, Italy)

Graph-based machine learning approaches for model order reduction

16:30 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 19.2

Universität Zürich

[Seminar on Stochastic Processes](#)

Zheng Fang (Universität Zürich, Switzerland)

Graduate Workshop Reinforcement

17:15 • UZH Irchel, Winterthurerstrasse 190, Zürich, Building Y27, Room H26

Thursday, December 12

ETH Zürich

[\[K-OS\] Knot Online Seminar](#)

Beibei Liu (Ohio State University)

Bounding the Dehn surgery number by $10/8$

16:15 • [online](#)

Université de Genève

[Colloque de Mathématiques](#)

Tomasz Mrowka (MIT)

Forty years of Four Manifolds

16:15 • Université de Genève, Conseil Général 7-9, Room 1-15

UniDistance Suisse

[*Mathematics Colloquium*](#)

Prof. Dr. Emre Mengi (Koc University)

[Uniform Approximation of the Smallest Eigenvalue of a Large Parameter-Dependent Hermitian Matrix](#)

17:00 • [UniDistance Suisse, zoom](#)

ETH Zürich

[*Kolloquium über Mathematik, Informatik und Unterricht*](#)

Sarah Zerbes (ETH Zürich)

Kongruente Zahlen: von Pythagoras zu Fermat

17:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 19.2

Friday, December 13

EPF Lausanne

[*Talks in Actuarial Mathematics*](#)

Ilya Molchanov (University of Bern)

Geometric Gaussian Processes

14:00 • EPF Lausanne, Extranef 126

ETH Zürich

[*Number Theory Seminar*](#)

Dr. Xie Jianfeng (ETH Zurich)

The growth of Tate-Shafarevich groups in cyclic extensions

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

EPF Lausanne

[*Statistics Seminar*](#)

Déborah Sulem (Universita della Svizzera Italiana)

Title T.B.A.

15:15 • EPF Lausanne, CM 1 517

ETH Zürich

[*Algebraic Geometry and Moduli Seminar*](#)

Dr. Pim Spelier (Utrecht University)

Title T.B.A.

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

Special Announcements

[Inaugural Lecture](#)

David Loeffler

The Legacy of Fermat's last Theorem

UniDistance Suisse, Brig
December 5, 2024

[Géométrie des groupes et groupes de Cremona](#)

University of Neuchâtel
December 16 - 18, 2024

[SwissMAP Research Station: Scientific Program 2025](#)

SwissMAP Research Station, Les Diablerets
January - October, 2025

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