

**Monday, April 17****Universität Basel***Bernoullis Tafelrunde***Martin Ramm (Universität Basel)**

Introduction to Full Waveform Inversion

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

**Universität Zürich***Oberseminar: Algebraische Geometrie***Dr. Emanuel Reinecke (Max Planck Institute for Mathematics)**

Unipotent homotopy theory of schemes

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

**Tuesday, April 18****ETH Zürich***Nachdiplomvorlesung***Karoly Böröczky (Alfréd Rényi Institute of Mathematics)**The Isoperimetric inequality, the Brunn-Minkowski theory, and the  $L_p$  Minkowski problem

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

**EPF Lausanne***Talks in Mathematical Finance***Puneet Pasricha (EPF Lausanne)**

Empirical Asset Pricing via Ensemble Gaussian Process Regression

12:30 • EPF Lausanne, UniL campus, Extranef 125

**ETH Zürich***DACO Seminar***Prof. Dr. Courtney Paquette (McGill, Canada)**

DACO-FDS: Stochastic Algorithms in the Large: Batch Size Saturation, Step Size Criticality, Generalization Performance, and Exact Dynamics (Part I)

14:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 19.1

**ETH Zürich***ETH-FDS seminar***Courtney Paquette (McGill University, Canada)**

DACO-FDS: Stochastic Algorithms in the Large: Batch Size Saturation, Step Size Criticality, Generalization Performance, and Exact Dynamics (Part I)

14:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 19.1

**ETH Zürich***DACO Seminar***Prof. Dr. Elliot Paquette (McGill, Canada)**

DACO-FDS: Stochastic Algorithms in the Large: Batch Size Saturation, Step Size Criticality, Generalization Performance, and Exact Dynamics (Part II)

15:10 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 19.1

**ETH Zürich***ETH-FDS seminar***Elliot Paquette (McGill University, Canada)**

DACO-FDS: Stochastic Algorithms in the Large: Batch Size Saturation, Step Size Criticality, Generalization Performance, and Exact Dynamics (Part II)

15:10 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 19.1

**ETH Zürich***Analysis Seminar***Dr. Mateus Sousa (BCAM )**

Title T.B.A.

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

**EPF Lausanne***Groups, Arithmetic and Algebraic Geometry Seminar***Patricio Almirón (IMAG)**

Title T.B.A.

15:15 • EPF Lausanne, Salle GR A3 32

**Université de Genève**

**Francesco Bonechi (Università di Firenze)**

Towards equivariant Yang-Mills theory

16:30 • Université de Genève, Conseil Général 7-9, Room 1-07

*Lie groups and moduli spaces*

**Université de Fribourg**

**Prof. Dr. Augusto Gerolin (Canada Research Chair & University of Ottawa)**

An optimal transport viewpoint on Density Functional Theory for Strongly Correlated systems

17:15 • Université de Fribourg, room Phys 2.52

*Colloquium*

**Wednesday, April 19**

**ETH Zürich**

**Shahar Mendelson (The Australian National University)**

Probabilistic methods in Analysis

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

*Nachdiplomvorlesung*

**Universität Basel**

**Stefano Spirito (Università degli Studi dell'Aquila)**

Title T.B.A.

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

*Seminar in Analysis*

**ETH Zürich**

**Michael Borinsky (ITS)**

On the amount of top-weight cohomology in the moduli space of curves

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

*Geometry Seminar*

**Universität Zürich**

**Prof. Dr. Elliot Paquette (Department of Mathematics and Statistics, McGill University)**

The random matrix Fyodorov-Hiary-Keating conjecture

17:15 • UZH Irchel, Winterthurerstrasse 190, Zürich, Building Y27, Room H12

*Seminar on Stochastic Processes*

**Thursday, April 20**

**ETH Zürich**

**Brita Nucinkis (Royal Holloway, University of London)**

Cohomological methods in group theory

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

*Nachdiplomvorlesung*

**Universität Bern**

**Prof. Dr. Ran Tamir (ETH Zuerich)**

On entropy-rate bounds and two problems in Gaussian database models

12:15 • Universität Bern, IMSV, Alpeneggstrasse 22, 3012 Bern, Hörraum -203

*Colloquia on Probability and Statistics*

**EPF Lausanne**

**Sam Molcho (ETH Zürich)**

Title T.B.A.

13:15 • EPF Lausanne, Salle GR A3 32

*Groups, Arithmetic and Algebraic Geometry Seminar*

**ETH Zürich**

**Alexander Veselov (Loughborough University)**

Complex cobordisms, theta divisors and permutohedra

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

*Talks in Mathematical Physics*

**Universität Basel**

**Bjorn Poonen (MIT)**

Title T.B.A.

17:00 • Universität Basel, online Seminar

*Number Theory Web Seminar*

**ETH Zürich**

**Prof. Dr. Julia Eisenberg (Vienna University of Technology)**

On Some Multi-Regime (and even beyond) Optimisation Problems in Non-Life Insurance

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

*Talks in Financial and Insurance Mathematics*

**Friday, April 21**

**EPF Lausanne**

**Dimitris Papanikolaou (ellogg School of Management)**

Who Bears the Cost of Aggregate Fluctuations and Why?

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

*Talks in Mathematical Finance*

**Universität Basel**

**Omar Lakkis (University of Sussex)**

Title T.B.A.

11:00 • Universität Basel, Spiegelgasse 5, SR 05.002

*Seminar in Numerical Analysis*

**ETH Zürich**

**Dr. Frank Trujillo (Universität Zürich)**

Title T.B.A.

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

*Ergodic Theory and Dynamical Systems Seminar*

**EPF Lausanne**

**Luis Martinez-Zorua (ICMAT, Madrid)**

Instantaneous loss of regularity for SQG with fractional diffusion

14:15 • EPF Lausanne, Salle CM 1 113

*Seminar of Analysis*

## Special Announcements

### Colloquium in honor of Lutz Dümbgen for his 60th birthday

University of Bern

May 12, 2023

[https://www.imsv.unibe.ch/research/talks/birthday\\_lutz/index\\_eng.html](https://www.imsv.unibe.ch/research/talks/birthday_lutz/index_eng.html)

### Week-End des Jeunes Chercheur:ses de l'ARDM 2023 (WEJCH)

Lausanne

May 18 - 20, 2023

<https://wejch2023.sciencesconf.org/>

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