

Monday, December 12**Universität Basel****Aurore Boitrel (Université d'Angers)**

Introduction to real del Pezzo surfaces

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

*Bernoullis Tafelrunde***Universität Zürich****Dr. Ryomei Iwasa (Université Paris 11, Orsay)**

Motivic spectra and universality of algebraic K-theory

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

*Oberseminar: Algebraische Geometrie***Universität Zürich****Prof. Dr. Sylvain Crovisier (CNRS and Université Paris-Saclay)**

Existence of physical measures for smooth surface diffeomorphisms

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

*Ergodic Theory and Dynamical Systems Seminar***ETH Zürich****Alex Oancea (Université de Strasbourg)**

The secondary continuation map in Floer theory

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

*Symplectic Geometry Seminar***Université de Fribourg****Christian Ketterer (Universität Freiburg i.Br.)**

Rigidity and stability results for mean convex subsets in RCD spaces

17:00 • Université de Fribourg, 0.05 PER23

*Oberseminar Topologie***Tuesday, December 13****ETH Zürich****Prof. Dr. Arnold Filtser (Bar Ilan University)**

Locality-Sensitive Orderings

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

*DACO Seminar***Université de Genève****Michal Outrata (Université de Genève)**

Schwarz methods, Schur complements, preconditioning and numerical linear algebra

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

*Soutenance de thèse***EPF Lausanne****David Gepner (John Hopkins University)**

Title T.B.A.

14:15 • EPF Lausanne, Salle MA A3 30

*Séminaire de Topologie***ETH Zürich****Prof. Dr. Julia Wolf (University of Cambridge)**

When is a mathematical object well-behaved?

15:15 • ETH Zentrum, Building KOL, Room G 217

*Zurich Colloquium in Mathematics***Université de Neuchâtel****Livio Liehti (Université de Fribourg)**

Arithmetic and orientation

17:00 • Université de Neuchâtel, Rue Emile Argand 11, Auditoire B104

*Colloque du Mardi***Université de Fribourg****Prof. Dr. Christoph Böhm (Universität Münster)**

The Alekseevskii conjecture

17:15 • Université de Fribourg, room Phys 2.52

Colloquium

Wednesday, December 14

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

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

Université de Fribourg

Annina Iseli (Université de Fribourg)

The Hurwitz problem and rational portraits

10:20 • Université de Fribourg, room Phys 2.52

Oberseminar Geometrie

EPF Lausanne

Matthieu Dolbeault (Laboratoire Jacques-Louis Lions)

Optimal sampling for approximation of functions

16:15 • EPF Lausanne, Salle MA A1 12

Computational Science and Engineering

ETH Zürich

Prof. Dr. Christophe Garban (Université Lyon 1)

Title T.B.A.

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

Seminar on Stochastic Processes

Thursday, December 15

EPF Lausanne

Zhixin Xie (Université de Nice)

Title T.B.A.

10:00 • EPF Lausanne, Salle GR A3 32

Groups, Arithmetic and Algebraic Geometry Seminar

Université de Genève

Benoit Dherin (Google)

Why neural networks find (geometrically) simple solutions

13:15 • Université de Genève, Conseil Général 7-9, Room 1-15

Séminaire de Topologie et Géométrie

Universität Bern

Prof. Dr. S. Rao Jammalamadaka (University of California, Santa Barbara)

A Matter of Direction

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

Colloquia on Probability and Statistics

ETH Zürich

Philipp Grohs (Universität Wien and ETH-ITS)

Opportunities and Limitations for Deep Learning in the Sciences

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

ITS Science Colloquium

Universität Basel

William Duke (UCLA)

Title T.B.A.

17:00 • Universität Basel, online Seminar

Number Theory Web Seminar

ETH Zürich

Dr. Mehdi Christian Talbi (ETH Zürich, Switzerland)

Mean field optimal stopping

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

Talks in Financial and Insurance Mathematics

Friday, December 16

EPF Lausanne

Wenyu Wang (Kelley School of Business, Indiana University)

The Incentives of SPAC Sponsors

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

Talks in Mathematical Finance

Universität Basel

Christophe Geuzaine (Université de Liège)

Non-reflecting boundary conditions and domain decomposition methods for industrial flow acoustics

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

Seminar in Numerical Analysis

Université de Genève

Sergey Dolgov (University of Bath)

Tensor train approximation of deep transport maps for Bayesian inverse problems

14:00 • Université de Genève, Conseil Général 7-9, Room 1-15

Séminaire d'Analyse Numérique

ETH Zürich

Weijie Su (Wharton, University of Pennsylvania)

Some Geometric Patterns of Real-World Deep Neural Networks

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

Research Seminar in Statistics

Universität Bern

Sara Salvador (Universität Bern)

Bayesian inference and Monte Carlo methods for directional data

16:00 • Universität Bern, ExWi, Sidlerstrasse 5, 3012 Bern, Hörsaal B7

Colloquia on Probability and Statistics

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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