

Monday, December 5**Universität Zürich***Oberseminar: Algebraische Geometrie***Prof. Dr. Daniel Greb (Universität Duisburg-Essen)**

Higher-dimensional Miyaoka-Yau inequality and uniformisation of canonical models

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

ETH Zürich*Symplectic Geometry Seminar***Emmy Murphy (MIT / Northwestern University)**

The Legendrian DGA of a cubic planar graph

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

Université de Genève*Séminaire de Mathématique Physique***Aru Juhan (ETH Zürich)**

Bounded-type local sets for the 2D Gaussian free field

15:15 • Université de Genève, Section Mathématiques, 2-4, rue du Lièvre, Salle 623

Tuesday, December 6**ETH Zürich***Nachdiplomvorlesung***Prof. Dr. Alexander Shnirelman (Concordia University)**

Some problems of Mathematical Fluid Dynamics

10:00 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43

EPF Lausanne*Séminaire de Topologie***Magdalena Kedziorek (EPF Lausanne)**

Title T.B.A.

10:15 • EPF Lausanne, Salle CM 13

Université de Genève*Séminaire d'Analyse Numérique***Xueshuang Xiang (University of Singapore)**

Title T.B.A.

14:15 • Université de Genève, Section Mathématiques, 2-4, rue du Lièvre, Salle 624

Université de Genève*Lie groups and moduli spaces***Mykola Matviichuk (University of Toronto)**

On the deformation theory of Dirac structures

15:30 • Université de Genève, Villa Battelle, 7 route de Drize, 1227 Carouge

Universität Zürich*Zurich Colloquium in Mathematics***Prof. Dr. Emmy Murphy (Massachusetts Institute of Technology)**

A contact topologist's perspective on mirror symmetry

17:15 • UZH Zentrum, Building KO2, Room F 150

Université de Fribourg*Colloquium***Prof. Dr. Priyam Patel (UCSB)**

Quantitative methods in hyperbolic geometry

17:15 • Université de Fribourg, room Phys 2.52

Wednesday, December 7**ETH Zürich***Nachdiplomvorlesung***Prof. Dr. Vadim Kaloshin (University of Maryland)**

Stochastic Arnold diffusion of deterministic systems

10:00 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43

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| <p>Université de Fribourg Andrew Yarmola (Université de Luxembourg) Hyperbolic 3-manifolds with low cusp volume 10:20 • Université de Fribourg, Chemin du Musée 23, Lonza (Math II) seminar room</p> | <i>Oberseminar Geometrie</i> |
| <p>EPF Lausanne Konrad Swanepoel (LSE, London) Almost-equidistant sets 11:00 • EPF Lausanne, Salle MA B1 524</p> | <i>DCG DISOPT Seminar</i> |
| <p>ETH Zürich Dr. Ran Tessler (ETH Zürich) 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>ETH Zürich Prof. Dr. Grégory Miermont (Ecole Normale Supérieure de Lyon) Random two-dimensional geometries 14:45 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 19.2</p> | <i>Nachdiplomvorlesung</i> |
| <p>Universität Zürich Javier De la Cruz (Universidad del Norte, Colombia) On dually QMRD and AMRD codes 15:00 • UZH Irchel, Winterthurerstrasse 190, Zürich, Building Y27, Room H 12</p> | <i>Seminar on Coding Theory and Cryptography</i> |
| <p>EPF Lausanne Francesco Ferraresso (Università degli studi di Padova) Spectral analysis of a Neumann biharmonic operator on a dumbbell domain 15:00 • EPF Lausanne, Salle MA 10</p> | <i>Séminaire d'Analyse</i> |
| <p>ETH Zürich Nicolas Radu (UC Louvain) Title T.B.A. 15:45 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43</p> | <i>Geometry Seminar</i> |
| <p>Universität Zürich Violetta Weger (Universität Zürich) A Code-Based Cryptosystem using GRS codes 16:00 • UZH Irchel, Winterthurerstrasse 190, Zürich, Building Y27, Room H 12</p> | <i>Seminar on Coding Theory and Cryptography</i> |
| <p>ETH Zürich Prof. Dr. Jens Markus Melenk (University of Technology Vienna) directional H^2-matrices for Helmholtz integral operators 16:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room E 1.2</p> | <i>Zurich Colloquium in Applied and Computational Mathematics</i> |
| <p>EPF Lausanne Jacopo Corno (TU Darmstadt) Uncertainty Quantification for Geometry Deformations of Superconducting Cavities 16:15 • EPF Lausanne, Salle MA A1 12</p> | <i>Computational Science and Engineering</i> |
| <p>ETH Zürich Cyril Labbé (Université Paris Dauphine) Cutoff phenomenon for the asymmetric simple exclusion process and the biased card shuffling 17:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43</p> | <i>Seminar on Stochastic Processes</i> |
| Thursday, December 8 | |
| <p>EPF Lausanne Jean Verrette (EPF Lausanne) Sheaves on graphs: theory and applications 10:00 • EPF Lausanne, salle B1.02, Campus Biotech</p> | <i>Seminar of Applied Topology</i> |

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| <p>EPF Lausanne Nicolas Radu (Université Catholique de Louvain) Boundary 2-transitive automorphism groups of trees 13:00 • EPF Lausanne, Salle MA 31</p> | <i>Ergodic and Geometry Group Theory</i> |
| <p>EPF Lausanne Kevin Tucker (University of Illinois at Chicago) Title T.B.A. 14:15 • EPF Lausanne, Salle GR A3 30</p> | <i>Séminaire d'Algèbre et de Théorie des Nombres</i> |
| <p>Université de Genève Alan Morier (Université de Genève) Les représentations irréductibles de dimension finie de $D(B_{\{q\}})$, avec q une racine de l'unité 14:15 • Université de Genève, Section Mathématiques, 2-4, rue du Lièvre, Salle 17</p> | <i>Séminaire de Topologie et Géométrie</i> |
| <p>Universität Basel Michael Stoll (Universität Bayreuth) Title T.B.A. 14:15 • Universität Basel, Spiegelgasse 5, 4051 Basel, Raum 05.001</p> | <i>Seminar Zahlentheorie</i> |
| <p>ETH Zürich Igor Khavkine (Università di Roma) Spectral theory of vector and tensor fields on Schwarzschild spacetime 15:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43</p> | <i>Talks in Mathematical Physics</i> |
| <p>ETH Zürich Nicolas Städler (F. Hoffmann-La Roche Ltd, Basel) Opportunities and Challenges of Statistics in Health Technology Assessment 16:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 19.1</p> | <i>ZüKoSt Zürcher Kolloquium über Statistik</i> |
| <p>Universität Basel Prof. Dr. Laure Saint-Raymond (Université Paris VI, ENS Paris & Universität Zürich) About irreversibility in rarefied gas dynamics 16:15 • Universität Basel, Departement Mathematik und Informatik, Spiegelgasse 5, SR 05.002</p> | <i>Perlen-Kolloquium</i> |
| <p>Université de Genève Antti Knowles (Université de Genève) Basic Notions: Ode to the Green function 16:15 • Université de Genève, Section Mathématiques, 2-4, rue du Lièvre, Salle 17</p> | <i>Colloque de Mathématiques</i> |
| <p>ETH Zürich Marcus C Christiansen (Heriot Watt University) Backward stochastic differential equations in life insurance mathematics 17:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43</p> | <i>Talks in Financial and Insurance Mathematics</i> |
| <p>Universität Zürich Prof. Dr. Alexander Shnirelman (Concordia University) Title T.B.A. 18:00 • UZH Irchel, Winterthurerstrasse 190, Zürich, Building Y27, Room H 35/36</p> | <i>PDE and Mathematical Physics</i> |
| Friday, December 9 | |
| <p>EPF Lausanne Andrew Ellul (Indiana University) Title T.B.A. 10:30 • EPF Lausanne, Quartier UNIL - Dorigny, Extranef, Salle 126</p> | <i>Talks in Mathematical Finance</i> |
| <p>Universität Basel Peter Feller (Universität Bonn) Title T.B.A. 10:30 • Universität Basel, Departement Mathematik und Informatik, Spiegelgasse 1, ground floor</p> | <i>Seminar Algebra & Geometrie</i> |

Universität Basel

Christian Rieger (Universität Bonn)

Title T.B.A.

11:00 • Universität Basel, Spiegelgasse 1, 4051 Basel, Raum 05.001

Seminar in Numerical Analysis

ETH Zürich

Prof. Dr. Bora Yalkinoglu (Université de Strasbourg)

Title T.B.A.

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

Number Theory Seminar

ETH Zürich

Prof. Dr. Andrew Kresch (Universität Zürich)

Title T.B.A.

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

Algebraic Geometry and Moduli Seminar

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