

Monday, October 15**EPF Lausanne***Group Theory Seminar***David Stewart (University of Oxford)**

The archaeology of unipotent radicals

10:15 • EPF Lausanne, Salle MA A3 31

ETH Zürich*Algebra, Combinatorics and Topology Seminar***Karen Vogtmann (Cornell University)**

Automorphisms of free groups, hairy graphs and modular forms

12:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43

Universität Zürich*Advanced Seminar in Algebraic Geometry***Prof. Dr. Sergey Lyenko (Institut Élie Cartan Nancy)**

Metaplectic bundles on curves, theta-sheaves and theta-lifting functors

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

Université de Neuchâtel*LaWiNe Seminar: Sofic Groups***Chung Nhan Phu (Max-Planck, Leipzig)**

Homoclinic groups, entropies and expansive algebraic actions

13:45 • Université de Neuchâtel, Rue Emile Argand 11, Auditoire B217

Université de Neuchâtel*LaWiNe Seminar: Sofic Groups***Chung Nhan Phu (Max-Planck, Leipzig)**

Topological pressure and the variational principle for actions of sofic groups

14:45 • Université de Neuchâtel, Rue Emile Argand 11, Auditoire B217

ETH Zürich*Symplectic Geometry Seminar***Will Merry (ETH Zürich)**

Orderability, non-squeezing, and Rabinowitz Floer homology

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

Université de Genève*Séminaire de Mathématique Physique***Béatrice de Tilière (Université Pierre et Marie Curie, France)**

Loops in the XOR Ising model

16:15 • Université de Genève, Section Mathématiques, 2-4 rue du Lièvre - salle 17

ETH Zürich*Optimization and Applications Seminar***Prof. Dr. Klaus Schittkowski (Universität Bayreuth)**

A New Trust-Region-SQP Algorithm for the Efficient Solution of Non-Convex, Non-Relaxable Mixed-Integer Nonlinear Programming Problems

16:30 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 19.1

Universität Bern*Mathematisches Kolloquium***Dr. Sophie Morier-Genoud (University of Pittsburgh)**

From Hurwitz problem on sums-of-squares identities to wireless communication

17:15 • Universität Bern, Sidlerstrasse 5, 3012 Bern, ExWi B78

Universität Zürich*Seminar in Partial Differential Equations***Prof. Dr. Matteo Focardi (Università di Firenze)**

Homogeneization of fractional obstacles

17:15 • Universität Irchel, Winterthurerstrasse 190, Zürich, Building Y27, Room H 12

Tuesday, October 16

Université de Genève

Yao-Lin Jiang (Xi'an Jiaotong University, China)

Model order reduction methods for engineering problems

15:15 • Université de Genève, Salle 623

Séminaire d'Analyse Numérique

Université de Neuchâtel

Clémence Labrousse (Université de Neuchâtel)

Complexité des flots géodésiques sur le tore

16:15 • Université de Neuchâtel, Rue Emile Argand 11, B103

Colloque du Mardi

Universität Zürich

Prof. Dr. Noga Alon (Tel Aviv University, Israel)

Coloring Random Cayley Graphs

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

Zurich Colloquium in Mathematics

Universität Fribourg

Prof. Dr. Werner Müller (Universität Bonn)

The asymptotic growth of torsion in the cohomology of arithmetic groups

17:15 • Universität Fribourg, Departement für Mathematik, chemin du musée 3, 1700 Fribourg, Hörsaal 2.52

Colloquium

Wednesday, October 17

ETH Zürich

Richard Schwartz (Brown University/Oxford University)

Title T.B.A.

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

Geometry Seminar

ETH Zürich

Prof. Dr. Dominique Chapelle (INRIA, France)

Improving convergence in numerical analysis using observers - Applications in cardiac modeling

16:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room E 1.2

Colloquium in Applied and Numerical Mathematics

ETH Zürich

Laure Dumaz (ENS, Paris)

Some properties of the "true self repelling motion"

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

Seminar on Stochastic Processes

Thursday, October 18

EPF Lausanne

Ronald Van Luijk (Mathematical Institute Leiden, Niederlande)

Density of rational points on Del Pezzo surfaces of degree one

11:15 • EPF Lausanne, SB-CIB, Station 15, Auditoire AAC 0 06

Séminaire Centre Interfacultaire Bernoulli

Universität Basel

Prof. Dr. David Preiss (University of Warwick, UK)

Title T.B.A.

15:00 • Universität Basel, Mathematisches Institut, Rheinsprung 21, CH-4051 Basel, Grosser Hörsaal

Ostrowski-Symposium

ETH Zürich

Dr. Matthieu Anel (ETH Zürich, Switzerland)

A new approach to the bar and cobar constructions through Sweedler's theory of coalgebras

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

Talks in Mathematical Physics

EPF Lausanne

Bartosz Walczak (University of Kraków, Polen)

The chromatic number of geometric intersection graphs and related problems

16:00 • EPF Lausanne, Salle MA B1 524

Combinatorial Geometry and Optimization

Universität Basel Prof. Dr. Kannan Soundararajan (Stanford University) Title T.B.A. 17:00 • Universität Basel, Mathematisches Institut, Rheinsprung 21, CH-4051 Basel, Grosser Hörsaal	<i>Ostrowski-Symposium</i>
ETH Zürich Curdin Ott (University of Bath, UK) Capped Optimal Stopping Problems for the Maximum Process 17:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43	<i>Talks in Financial and Insurance Mathematics</i>
Universität Zürich Prof. Dr. Alberto Farina (Université de Picardie Jules Verne) Partially and globally overdetermined elliptic problems 17:15 • Universität Irchel, Winterthurerstrasse 190, Zürich, Building Y27, Room H 25	<i>Workshop in Analysis</i>

Friday, October 19	
Universität Basel Jb Madsen (University of Copenhagen) Title T.B.A. 11:00 • Universität Basel, Mathematisches Institut, Rheinsprung 21, CH-4051 Basel, Grosser Hörsaal	<i>Ostrowski-Symposium</i>
ETH Zürich Prof. Dr. Emmanuel Kowalski (ETH Zürich) Algebraic twists of modular forms and Hecke orbits 14:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43	<i>Number Theory Seminar</i>
EPF Lausanne Kathryn Hess (EPF Lausanne) A Boardman-Vogt tensor product for operadic bimodules 14:15 • EPF Lausanne, Salle MA 10	<i>Séminaire de Topologie</i>
EPF Lausanne Prof. Dr. Ivar Ekeland (Université Paris Dauphine) Title T.B.A. 15:15 • EPF Lausanne, Salle MA 30	<i>Séminaire d'Analyse</i>
ETH Zürich Gabor Lugosi (Universitat Pompeu Fabra, Barcelona) Detection of correlations in high dimension 15:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 19.1	<i>Statistics Research Seminar</i>
ETH Zürich William Gillam (ETH Zürich) Logarithmic Flatness 16:00 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43	<i>Algebraic Geometry and Moduli Seminar</i>
EPF Lausanne Prof. Dr. Richard E. Schwartz (Brown University and University of Oxford) Playing Billiards on the Outside of the Table, and Other Games 18:15 • EPF Lausanne, ELA 2	<i>Mathematics Colloquium</i>

Special Announcements

Ostrowski Symposium and Award Ceremony

University of Basel
October 18-19, 2012

<http://math.unibas.ch/aktuelles/veranstaltungsdetails/article/ostrowski-symposium-und-feierliche-preisverleihung>

SMS Fall Meeting 2012 and General Assembly

EPF Lausanne
October 19-20, 2012

<http://www.math.ch/activities/fall-meeting-2012/>

Discuss recent overthrow in publication culture:

- Mathematicians take a stand
<http://arxiv.org/abs/1204.1351>
- Gowers's Weblog
<http://gowers.wordpress.com/>

Alan Turing year 2012

SSLPS Conference
ETH Zürich
October 26-27, 2012

<http://www.sslps.unibe.ch/meetings.html>

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