

Monday, October 1**EPF Lausanne***Mini Course CIB***Marc Levine (Universität Duisburg-Essen, Deutschland)**

The motivic fundamental group

10:00 • EPF Lausanne, SB-CIB, Station 15, Auditoire AAC006

EPF Lausanne*Group Theory Seminar***Jacques Thévenaz (EPF Lausanne)**

Simple biset functors

10:15 • EPF Lausanne, Salle MA A3 31

Universität Zürich*Advanced Seminar in Algebraic Geometry***Dr. Dimitri Zvonkine (Institut de Mathématiques de Jussieu)**Double ramification cycles in $M_{g,n}$

13:00 • Universität Irchel, Winterthurerstrasse 190, Zürich, Building Y27, Room H 25

Université de Neuchâtel*Groups and analysis***Alain Valette (Université de Neuchâtel)**

Non-amenable groups without free subgroups: easy examples (after N. Monod)

14:00 • Université de Neuchâtel, Rue Emile Argand 11, Auditoire B217

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

An Introduction to Rabinowitz Floer homology

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

ETH Zürich*Colloquium in Applied and Numerical Mathematics***Prof. Dr. Karen Willcox (MIT, USA)**

Model reduction for systems with high-dimensional parameter spaces

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

Université de Genève*Séminaire de Mathématique Physique***Amandine Veber (Ecole Polytechnique, Palaiseau, France)**

Evolution of the interface between types in a spatially extended population

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

Universität Bern*Mathematisches Kolloquium***Bänz Bessire (IAP, Universität Bern)****Prof. Dr. Thomas Wihler (MATH, Universität Bern)**

Computing the Entropy of a Large Matrix

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

Universität Zürich*Seminar in Partial Differential Equations***Mircea Petrache (ETHZ)**

Combinatorial regularity for supercritical curvatures

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

Tuesday, October 2**EPF Lausanne***Mini Course CIB***Marc Levine (Universität Duisburg-Essen, Deutschland)**

The motivic fundamental group

10:00 • EPF Lausanne, SB-CIB, Station 15, Auditoire AAC006

<p>Université de Genève Nicolas Monod (EPF Lausanne) Trouble in p-paradise 10:30 • Université de Genève, Salle 623</p>	<i>Groupes et Géométrie</i>
<p>ETH Zürich Dr. Thomas Marquardt (ETH, Zürich) The inverse mean curvature flow for hypersurfaces with boundary 15:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43</p>	<i>Analysis Seminar</i>
<p>ETH Zürich Shaowei Lin (University of California Berkeley) Understanding the curse of singularities in machine learning 15:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 19.1</p>	<i>Statistics Research Seminar</i>
<p>Université de Neuchâtel Alessandra Iozzi (ETH Zürich) "Higher Teichmüller theories": de $SL(2, \mathbb{R})$ à d'autres groupes de Lie 16:15 • Université de Neuchâtel, Rue Emile Argand 11</p>	<i>Colloque du Mardi</i>
<p>Université de Genève Hitoshi Murakami (Tokyo Institute of Technology) The colored Jones polynomial and $SL(2; \mathbb{C})$ representations of the fundamental group of a knot 16:15 • Université de Genève, Section Mathématiques, 2-4, rue du Lièvre, Salle 17</p>	<i>Séminaire Théorie des Nœuds</i>
<p>Universität Fribourg Prof. Dr. Andreas Bernig (Universität Frankfurt) Algebraic integral geometry 17:15 • Universität Fribourg, Departement für Mathematik, chemin du musée 3, 1700 Fribourg, Hörsaal 2.52</p>	<i>Colloquium</i>
Wednesday, October 3	
<p>EPF Lausanne Marc Levine (Universität Duisburg-Essen, Deutschland) The motivic fundamental group 10:00 • EPF Lausanne, SB-CIB, Station 15, Auditoire AAC006</p>	<i>Mini Course CIB</i>
<p>Universität Fribourg Prof. Dr. Ruth Kellerhals (Universität Fribourg) Cofinite hyperbolic Coxeter groups, minimal growth rate and Pisot numbers 10:20 • Universität Fribourg, Departement für Mathematik, chemin du musée 23, 1700 Fribourg, Math II Lonza</p>	<i>Oberseminar Geometrie</i>
<p>Universität Bern David Ginsbourger (Universität Bern) Covariance-Driven Pathwise Properties of Random Fields 11:00 • Universität Bern, Alpeneggstr. 22, Room 203</p>	<i>Institute Seminar</i>
<p>ETH Zürich Prof. Dr. Wendelin Werner (Université Paris-Sud) An Introduction to Conformal Loop Ensembles 14:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 19.1</p>	<i>Nachdiplomvorlesung</i>
<p>ETH Zürich Dr. Zhen Peng (ElectroScientLab, Ohio State University, USA) Domain Decomposition Methods for Time-Harmonic Maxwell Equations 16:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room E 1.2</p>	<i>Colloquium in Applied and Numerical Mathematics</i>
<p>Université de Neuchâtel Ilan Vardi (EPF Lausanne) Mathématiques et Horlogerie 16:15 • Université de Neuchâtel, Rue Emile Argand 11, Aula Unimail, F-0100</p>	<i>Séminaire Mathématiques et Société</i>

<p>EPF Lausanne Dr. Gilles Vilmart (ENS Cachan Bretagne, France) Title T.B.A. 16:15 • EPF Lausanne, Salle GR A3 30</p>	<p><i>Computational Science and Engineering</i></p>
<p>ETH Zürich Dmitry Panchenko (Texas A & M University) The Sherrington-Kirkpatrick model: an overview 17:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43</p>	<p><i>Seminar on Stochastic Processes</i></p>

<p>Thursday, October 4</p>	
<p>EPF Lausanne Marc Levine (Universität Duisburg-Essen, Deutschland) The motivic fundamental group 10:00 • EPF Lausanne, SB-CIB, Station 15, Auditoire AAC006</p>	<p><i>Mini Course CIB</i></p>
<p>ETH Zürich Prof. Dr. Caldararu Andrei (Univ. Wisconsin Madison & Max Planck Institut) Formality of ordinary and twisted de Rham complex from derived algebraic geometry 15:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43</p>	<p><i>Talks in Mathematical Physics</i></p>
<p>Universität Zürich Dr. Daniel Peterseim (Humboldt-Universität zu Berlin) Computational homogenization of multiscale elliptic problems 16:00 • Universität Irchel, Winterthurerstrasse 190, Zürich, Building Y27, Room H 25</p>	<p><i>Seminar in Partial Differential Equations and Numerics</i></p>
<p>ETH Zürich Prof. Dr. Steven Shreve (University Carnegie Mellon, USA) A diffusion limit of a limit-order book model 17:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43</p>	<p><i>Talks in Financial and Insurance Mathematics</i></p>

<p>Friday, October 5</p>	
<p>EPF Lausanne Marc Levine (Universität Duisburg-Essen, Deutschland) The motivic fundamental group 10:00 • EPF Lausanne, SB-CIB, Station 15, Auditoire AAC006</p>	<p><i>Mini Course CIB</i></p>
<p>Universität Basel Matteo Ruggiero (Ecole Polytechnique, Palaiseau, France) Valuative analysis of the dynamics of superattracting germs in \mathbb{C}^2 10:30 • Universität Basel, Mathematisches Institut, Rheinsprung 21, CH-4051 Basel, Kleiner Hörsaal</p>	<p><i>Seminar Algebra & Geometrie</i></p>
<p>EPF Lausanne Prof. Dr. David Donoho (Stanford University) Compressed Sensing: Examples, Prehistory, and Predictions 12:15 • EPF Lausanne, Rolex Learning Centre Forum, E1 240</p>	<p><i>Mathematics Colloquium</i></p>
<p>ETH Zürich Dr. Martin Raum (ETH Zürich) Questions on harmonic automorphic forms; and some answers 14:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43</p>	<p><i>Number Theory Seminar</i></p>

EPF Lausanne

Justin Young (EPF Lausanne)

Brace bar-cobar duality and applications

14:15 • EPF Lausanne, Salle MA 10

Séminaire de Topologie

ETH Zürich

Andrew Morrison (ETH Zürich)

Computing motivic DT invariants

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

Algebraic Geometry and Moduli Seminar

Special Announcements

Conference in Honor of Jean-Paul Berrut

University of Fribourg

October 5, 2012

<http://math.unifr.ch/berrut60/>

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>