

**Monday, October 20****Universität Zürich***Advanced Seminar in Algebraic Geometry***Dr. Simon Riche (Université Blaise Pascal)**

Koszul duality for modular perverse sheaves on flag varieties

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

**Université de Genève***Lie groups and moduli spaces***Dimitar Nedanovski (Université de Genève)**

Generalized vertex algebra techniques for extended superconformal field theories in 4D

14:30 • Université de Genève, Villa Battelle, 7 route de Drize, 1227 Carouge

**ETH Zürich***Symplectic Geometry Seminar***Robin Krom (ETH Zürich)**

The Donaldson geometric flow

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

**EPF Lausanne***Geometry Seminar EPFL***Georg Oberdieck (ETH Zürich)**

Title T.B.A.

15:15 • EPF Lausanne, Salle MA A3 31

**Université de Genève***Séminaire de Mathématique Physique***Esa Järvenpää (University of Oulu, Finland)**

Dimensions of random covering sets in Riemann manifolds

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

**ETH Zürich***Optimization and Applications Seminar***Prof. Dr. Neil Walton (University of Amsterdam, The Netherlands)**

Efficient Advert Assignment

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

**Universität Bern***Mathematisches Kolloquium***Prof. Dr. Marcus Grote (Universität Basel)**

Title T.B.A.

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

**Tuesday, October 21****ETH Zürich***Nachdiplomvorlesung***Prof. Dr. Alessio Figalli (The University of Texas at Austin)**

The Monge-Ampère equation and its applications

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

**ETH Zürich***Nachdiplomvorlesung***Prof. Dr. Tom Hurd (McMaster University)**

Mathematics of Financial Systemic Risk

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

**Université de Genève***Groupes et Géométrie***Guy Rousseau (Institut Élie Cartan Nancy, Université de Lorraine)**

Groupes de Kac-Moody sur les corps locaux et mesures

10:30 • Université de Genève, Salle 623

<p><b>ETH Zürich</b>  <b>Prof. Dr. Gitta Kutyniok (Technische Universität Berlin)</b>  Applied Harmonic Analysis meets Compressed Sensing  13:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43</p>	<p><i>Nachdiplomvorlesung</i></p>
<p><b>Université de Genève</b>  <b>Michael L. Overton (Courant Institute)</b>  Nonsmooth Optimization and Crouzeix's Conjecture  13:45 • Université de Genève, Section Mathématiques, 2-4, rue du Lièvre, Salle 623</p>	<p><i>Séminaire d'Analyse Numérique</i></p>
<p><b>ETH Zürich</b>  <b>Joel Kamnitzer (University of Toronto)</b>  Representation theory, geometric Langlands duality and categorification III  15:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 19.2</p>	<p><i>Talks in Mathematical Physics</i></p>
<p><b>Université de Genève</b>  <b>Ivan Cherednik (UNC at Chapel Hill)</b>  Rogers-Ramanujan identities and dilogarithm  15:30 • Université de Genève, Villa Battelle, 7 route de Drize, 1227 Carouge</p>	<p><i>Lie groups and moduli spaces</i></p>
<p><b>Université de Neuchâtel</b>  <b>Stefan Wenger (University of Fribourg)</b>  Isoperimetric inequalities and asymptotic geometry  17:00 • Université de Neuchâtel, Institut de Mathématiques, Rue Emile-Argand 11, CH-2000 Neuchâtel, Room B103</p>	<p><i>Colloque du Mardi</i></p>
<p><b>Wednesday, October 22</b></p>	
<p><b>EPF Lausanne</b>  <b>Nathan Kaplan (Yale University)</b>  Rational Point Count Distributions for Varieties over Finite Fields via Coding Theory  15:15 • EPF Lausanne, Salle MA 30</p>	<p><i>Séminaire d'Algèbre et de Théorie des Nombres</i></p>
<p><b>Universität Zürich</b>  <b>Prof. Dr. Boris Vexler (TU München)</b>  Sparse Optimal Control Problems in Measure Spaces  16:15 • UZH Irchel, Winterthurerstrasse 190, Zürich, Building Y27, Room H 25</p>	<p><i>Zurich Colloquium in Applied and Computational Mathematics</i></p>
<p><b>Universität Basel</b>  <b>Chiara Saffirio (Universität Zürich)</b>  Title T.B.A.  16:15 • Universität Basel, Mathematisches Institut, Rheinsprung 21, CH-4051 Basel, Kleiner Hörsaal</p>	<p><i>Seminar in Analysis</i></p>
<p><b>ETH Zürich</b>  <b>Nikolaos Zygouras (University of Warwick)</b>  Scaling limits of disorder relevant and marginally relevant systems  17:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43</p>	<p><i>Seminar on Stochastic Processes</i></p>
<p><b>Thursday, October 23</b></p>	
<p><b>EPF Lausanne</b>  <b>Peng Shan (Université de Caen)</b>  Koszulity for category <math>\mathcal{O}</math> of affine Lie algebras and rational Cherednik algebras  10:15 • EPF Lausanne, Salle MA A3 30</p>	<p><i>Group Theory Seminar</i></p>
<p><b>Université de Genève</b>  <b>Victoria Lebed (Université de Nantes)</b>  Tresses et homologies de structures algébriques: un aller-retour  14:15 • Université de Genève, Section Mathématiques, 2-4, rue du Lièvre, Salle 17</p>	<p><i>Séminaire de Topologie et Géométrie</i></p>

<p><b>ETH Zürich</b>  <b>Joel Kamnitzer (University of Toronto)</b>  Representation theory, geometric Langlands duality and categorification IV  15:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43</p>	<i>Talks in Mathematical Physics</i>
<p><b>ETH Zürich</b>  <b>Ingo Scholtes / Frank Schweizer (ETH Zürich)</b>  Aggregate Networks Considered Harmful: Modeling Non-Markovian Properties of Time-Varying Network Structures  16:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 19.1</p>	<i>ZüKoSt Zürcher Kolloquium über Statistik</i>
<p><b>Université de Genève</b>  <b>Charles-Edouard Bréhier (CERMICS, Paris)</b>  Discretization of a slow-fast system of parabolic Stochastic PDEs  16:15 • Université de Genève, Section Mathématiques, 2-4, rue du Lièvre, Salle 623</p>	<i>Séminaire d'Analyse Numérique</i>
<p><b>Université de Genève</b>  <b>Arnaud Mortier (University of Osaka)</b>  Combinatorial cohomology of the space of knot  16:15 • Université de Genève, Section Mathématiques, 2-4, rue du Lièvre, Salle 623</p>	<i>Séminaire de Topologie et Géométrie</i>
<p><b>ETH Zürich</b>  <b>Marvin Müller (TU Berlin)</b>  Stochastic Moving Boundary Problems and Limit Order Book Models  17:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43</p>	<i>Talks in Financial and Insurance Mathematics</i>
<p><b>ETH Zürich</b>  <b>Albert Gächter (St. Gallen)</b>  Trifles im Mathematikunterricht!  17:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 3</p>	<i>Kolloquium über Mathematik, Informatik und Unterricht</i>
<p><b>Universität Zürich</b>  <b>Dr. Julian Fischer (Max Planck Institute for Mathematics in the Sciences)</b>  Bi-Lipschitz Solutions to the Prescribed Jacobian Inequality in the Plane and Applications to Functionals in Nonlinear Elasticity  17:15 • UZH Irchel, Winterthurerstrasse 190, Zürich, Building Y27, Room H 25</p>	<i>Workshop in Analysis</i>
<p><b>Universität Zürich</b>  <b>Prof. Dr. Michela Procesi (Università di Roma la Sapienza, Dipartimento Scienze Matematiche)</b>  Growth of Sobolev norms for the quintic NLS on <math>T^2</math>  18:15 • UZH Irchel, Winterthurerstrasse 190, Zürich, Building Y27, Room H 35/36</p>	<i>Seminar in Partial Differential Equations</i>
<b>Friday, October 24</b>	
<p><b>Universität Basel</b>  <b>Juliette Chabassier (INRIA-Bordeaux)</b>  Fourth order energy-preserving locally implicit discretization for linear wave equations.  11:00 • Universität Basel, Mathematisches Institut, Rheinsprung 21, 4051 Basel, Grosser Hörsaal</p>	<i>Seminar in Numerical Analysis</i>
<p><b>EPF Lausanne</b>  <b>Karen Yeressian (Universität Zürich)</b>  Obstacle Problem with a Degenerate Force Term  15:15 • EPF Lausanne, Salle MA A3 31</p>	<i>Séminaire d'Analyse</i>
<p><b>ETH Zürich</b>  <b>Prof. Dr. Matthias Gaberdiel (ETH Zürich)</b>  Mathieu Moonshine  16:00 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43</p>	<i>Algebraic Geometry and Moduli Seminar</i>

**Université de Neuchâtel**

**Prof. Dr. Pierre Pansu (Université Orsay)**

Difficulté d'approximation

18:00 • Université de Neuchâtel, Rue Emile - Argand 11, AULA Unimail -100F

*Herbsttagung SMG*

### **Special Announcements**

#### **Rigi-Workshop 2015**

Mathematical and Computational Modeling in Life Sciences

*Registration deadline October 26*

Rigi-Kulm

January 18-20, 2015

<http://biologie.scnat.ch/rigi-workshop/>

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