

**Monday, December 4****ETH Zürich****Prof. Dr. Claire Voisin (Collège de France and ETH-ITS)**

Hyper-Kähler manifolds

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

*Nachdiplomvorlesung***ETH Zürich****Prof. Dr. Nalini Anantharaman (Université de Strasbourg)**

Delocalization of Schrödinger eigenfunctions

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

*Nachdiplomvorlesung***Universität Zürich****Prof. Dr. Claire Voisin (Collège de France and ETH-ITS)**

Torsion points of sections of Lagrangian fibrations and the Chow ring of hyper-Kähler manifolds

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

*Oberseminar: Algebraische Geometrie***Université de Genève****Johannes Alt (IST Austria)**

Local inhomogeneous circular law

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

*Séminaire de Mathématique Physique***ETH Zürich****Dr. Igor Uljarevic (Tel Aviv University, Israel)**

Floer homology and contact Hamiltonians

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

*Symplectic Geometry Seminar***Université de Fribourg****Michael Wiemeler (Universität Münster)**

On the topology of moduli spaces of non- negative Ricci-curved metrics

16:00 • Université de Fribourg, Chemin du Musée 23, Lonza (Math II) seminar room 0.101

*Oberseminar Topologie***Universität Basel****Xavier Ros-Oton (Universität Zürich)**

Title T.B.A.

16:15 • Universität Basel, Fachbereich Mathematik, Spiegelgasse 5, Room 05.002

*Seminar in Analysis***ETH Zürich****Prof. Dr. Peter Sarnak (Princeton University)**

Integer points on affine cubic surfaces

17:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 3

*Zurich Colloquium in Mathematics***Universität Bern****Prof. Dr. Janos Pach (EPF Lausanne)**

The importance of being uncomplicated

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

*Mathematisches Kolloquium***Tuesday, December 5****Université de Fribourg****Katrin Fässler (Université de Fribourg)**

Removability for Lipschitz harmonic functions in the Heisenberg group

10:00 • Université de Fribourg, Science de la Terre, Chemin du Musée 6, Room 1.309

*Geometric Analysis Seminar*

<p><b>EPF Lausanne</b>  <b>Nicolas Ricka (Université de Strasbourg)</b>  A model for Motivic stable homotopy in classical homotopy  10:15 • EPF Lausanne, Salle CM 012</p>	<i>Séminaire de Topologie</i>
<p><b>Université de Genève</b>  <b>Achim Schädle (Universität Düsseldorf)</b>  Fast and parallel Runge-Kutta Approximation of linear inhomogeneous diffusive equations  14:00 • Université de Genève, Section Mathématiques, 2-4, rue du Lièvre, Salle 623</p>	<i>Séminaire d'Analyse Numérique</i>
<p><b>ETH Zürich</b>  <b>Dr. Joaquim Serra (ETH Zürich, Switzerland)</b>  Title T.B.A.  15:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43</p>	<i>Analysis Seminar</i>
<p><b>Universität Zürich</b>  <b>Prof. Dr. Catharina Stroppel (Mathematisches Institut der Universität Bonn)</b>  From Kleinian singularities to Khovanov homology  17:15 • UZH Zentrum, Building KO2, Room F 150</p>	<i>Zurich Colloquium in Mathematics</i>
<p><b>Université de Fribourg</b>  <b>Prof. Dr. Valentin Féray (Universität Zürich)</b>  What do random constraint permutations look like?  17:15 • Université de Fribourg, room Phys 2.52</p>	<i>Colloquium</i>
<b>Wednesday, December 6</b>	
<p><b>ETH Zürich</b>  <b>Dr. Gareth Peters (University College London)</b>  Statistical Machine Learning Methods for Risk and Insurance  10:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43</p>	<i>Nachdiplomvorlesung</i>
<p><b>Université de Fribourg</b>  <b>Dr. David González (Université de Fribourg)</b>  Manifolds with positive sectional curvature  10:20 • Université de Fribourg, Chemin du Musée 23, Lonza (Math II) seminar room</p>	<i>Oberseminar Geometrie</i>
<p><b>ETH Zürich</b>  <b>Jakob Oesinghaus (Universität Zürich)</b>  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><b>Universität Zürich</b>  <b>Prof. Dr. Sihem Mesnager (Université de Paris VII)</b>  Mathematical contributions on the construction of good codes for secret sharing and storage  15:00 • UZH Irchel, Winterthurerstrasse 190, Zürich, Building Y27, Room H 12</p>	<i>Seminar on Coding Theory and Cryptography</i>
<p><b>EPF Lausanne</b>  <b>Timo Weidl (Universität Stuttgart)</b>  Semiclassical Spectral Estimates with Remainder Terms  15:00 • EPF Lausanne, Salle CM 1 113</p>	<i>Seminaire de Théorie Spectrale et Géométrie</i>
<p><b>EPF Lausanne</b>  <b>Cinzia Casagrande (Politecnico Torino)</b>  On the Fano variety of linear spaces contained in two odd-dimensional quadrics  15:15 • EPF Lausanne, Salle MA A1 10</p>	<i>Séminaire d'Algèbre et de Théorie des Nombres</i>
<p><b>ETH Zürich</b>  <b>Alain Valette (Université de Neuchâtel)</b>  Diameters in box spaces  15:45 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43</p>	<i>Geometry Seminar</i>

<b>ETH Zürich</b>	<i>Zurich Colloquium in Applied and Computational Mathematics</i>
<b>Prof. Dr. A. Nouy (Ecole Centrale de Nantes)</b>	
Learning high-dimensional functions with tree-based tensor formats.	
16:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room E 1.2	
<b>Université de Neuchâtel</b>	<i>Séminaire Mathématiques et Société</i>
<b>Prof. Dr. David-Olivier Jaquet-Chiffelle (Université de Lausanne)</b>	
Cryptanalyse du Code de Vigenère	
16:15 • Université de Neuchâtel, Institut de Mathématiques, Rue Emile - Argand 11, ALG, F 200	

**Thursday, December 7**

<b>Universität Basel</b>	<i>Bernoullis Tafelrunde</i>
<b>Ilja Kalmykov (Universität Basel)</b>	
Title T.B.A.	
12:15 • Universität Basel, Departement Mathematik und Informatik, Spiegelgasse 5, Seminarraum 05.003	
<b>Université de Genève</b>	<i>Séminaire de Topologie et Géométrie</i>
<b>Enrique Artal (University of Zaragoza)</b>	
Topologie et combinatoire d'arrangements de droites complexes	
14:15 • Université de Genève, Section Mathématiques, 2-4, rue du Lièvre, Salle 17	
<b>Universität Basel</b>	<i>Seminar Zahlentheorie</i>
<b>Jakob Stix (Universität Frankfurt)</b>	
Counting twin prime polynomials	
14:15 • Universität Basel, Spiegelgasse 1, Seminarraum 05.001	
<b>ETH Zürich</b>	<i>Talks in Mathematical Physics</i>
<b>Iuliya Beloshapka (ETH Zurich)</b>	
Twistor approach to harmonic 2-spheres in the loop space	
15:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43	
<b>ETH Zürich</b>	<i>Talks in Financial and Insurance Mathematics</i>
<b>Huyên Pham (Université Paris-Diderot)</b>	
Stochastic control under partial observation revisited	
17:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43	
<b>Universität Zürich</b>	<i>PDE and Mathematical Physics</i>
<b>Dr. Emanuele Spadaro (Max Planck Institute, Leipzig)</b>	
Title T.B.A.	
18:10 • UZH Irchel, Winterthurerstrasse 190, Zürich, Building Y27, Room H 35/36	

**Friday, December 8**

<b>ETH Zürich</b>	<i>Number Theory Seminar</i>
<b>Dr. Ian Nicholas Petrow (ETH Zürich, Switzerland)</b>	
Bounds for traces of Hecke operators and points on curves over finite fields	
14:15 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43	
<b>EPF Lausanne</b>	<i>Séminaire d'Analyse</i>
<b>Prof. Dr. Camil Muscalu (Cornell University, USA)</b>	
The helicoidal method	
14:15 • EPF Lausanne, Salle MA A3 31	
<b>ETH Zürich</b>	<i>Algebraic Geometry and Moduli Seminar</i>
<b>Prof. Dr. Albrecht Klemm (Universität Bonn)</b>	
D-brane masses and the motivic Hodge conjecture	
16:00 • ETH Zentrum, Rämistrasse 101, Zürich, Building HG, Room G 43	

**EPF Lausanne**

*Soutenance de Thèse*

**Thomas Marie Jean-Baptiste Humeau (EPF Lausanne)**

Stochastic partial differential equations driven by Lévy white noises: Generalized random processes, random field solutions and regularity

17:15 • EPF Lausanne, Salle MA B1 11

### **Special Announcements**

#### **Young Geometric Group Theory Meeting 2018**

Les Diablerets

March 12-16, 2018

***Please register before November 30!***

<https://sites.google.com/site/yggt2018/>

address: Marianne Pfister, Departement Mathematik, ETH Zürich, Rämistrasse 101, CH-8092 Zürich  
email: [smg@math.ethz.ch](mailto:smg@math.ethz.ch) | fax: +41 44 632 1085 | phone: +41 44 632 5615 | url: <http://www.math.ch>

