

All Mathematics Lectures 2018

- 17/12/2018: Low index singularities of the systole function, Maxime Fortier Bourque (Glasgow), 16:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Geometry and Topology seminar](#)
- 04/12/2018: Linking in torus bundles
- 10/12/2018: On the volume cocycle of a product of trees, Thibaut Dumont (University of Jyväskylä), 16:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Geometry and Topology seminar](#)
- 04/12/2018: Linking in torus bundles and Hecke L-functions, Nicolas Bergeron (ENS DMA, Paris), 16:30, Room MSA 3.520, CB, [MAST](#)
- 04/12/2018: Periods of modular functions and diophantine approximation, Paloma Bengoechea Duro (ETH Zürich), Room MNO-E06-0615010 (6th floor 6A), CB, [Number Theory Seminars](#)
- 03/12/2018: A journey through loop braid groups, Céleste Damiani (Leeds University), 16:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Geometry and Topology seminar](#)
- 27/11/2018: Images of two-dimensional Galois representations, Jaclyn Lang (Paris), 11:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Number Theory Seminars](#)
- 26/11/2018: On immersions of surfaces into $SL(2, \mathbb{C})$ and on a generalization of embedding data, [Christian El Emam](#) (Università di Pavia), 16:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Geometry and Topology seminar](#)
- 20-21/11/2018: [Structures on Surfaces \(SoS\)](#) yearly meeting (2018), 10:30, Room MNO 1.050, CB, [SoS](#)
- 20/11/2018: [Interactions between geometry, graphs and algorithms](#), Sergio Cabello (Univerza v Ljubljani slovenia), 16:00, Room MNO 1.020, CB, [General Mathematics Seminar](#)
- 20/11/2018: Newton polygons for the U_p operator and p-adic families of eigenforms: New explicit computations for $p=5,7,13$, tame level 1., Ian Kiming (Copenhagen), 11:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Number Theory Seminars](#)
- 15/11/2018: From Galois to Hopf-Galois, Hoan-Phung Bui (Université libre de Bruxelles), 09:30, Room MNO-E06-0615010 (6th floor 6A), CB, [Number Theory Seminars](#)
- 12/11/2018: Higher Teichmüller spaces of orbifolds, Florent Schaffhauser (Université de Strasbourg et Universidad de Los Andes), 16:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Geometry and Topology seminar](#)
- 05/11/2018: Profinite invariants of arithmetic lattices, Jean Raimbault (Université de Toulouse), 16:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Geometry and Topology seminar](#)
- 30/10/2018: Raising the level at your favorite prime, Eduardo Soto (Barcelona), 15:15, Room MNO-E06-0615010 (6th floor 6A), CB, [Number Theory Seminars](#)
- 30/10/2018: Uniform boundedness for the rational torsion of abelian 3-folds of Picard type, Mladen Dimitrov (Lille), 14:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Number Theory Seminars](#)
- 29/10/2018: Flag structures on 3-manifolds, Elisha Falbel (Institut mathématique de Jussieu, UPMC), 16:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Geometry and Topology seminar](#)
- 22-30/10/2018: [Mini-course: Probabilistic methods and value distribution of the Riemann zeta function](#), [Ashkan Nikeghbali](#) (University of Zürich), Room 1st floor MNO (1.030, 1.050, 1.020), [PhD in Mathematics](#)
- 22/10/2018: A local characterization of Anosov representations, Joan Porti (Universitat Autònoma de Barcelona), 16:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Geometry and Topology seminar](#)
- 17/10/2018: Prescribing the Gauss curvature of convex bodies in the hyperbolic space, Jérôme Bertrand (Université Paul Sabatier, Toulouse), 16:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Geometry and Topology seminar](#)
- 15/10/2018: Quantization of Poisson-Lie groups and a little bit beyond, Pavol Severa (University of Geneva), 16:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Algebra, Geometry and Quantization Seminar](#)

- 10/10/2018: Cohomology of the free loop space in the non simply connected case, Andrei Lazarev (University of Lancaster), 11:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Algebra, Geometry and Quantization Seminar](#)
- 09/10/2018: On (non)existence of minimal fibrations on mapping tori, [Zheng Huang](#) (Graduate Center and College of Staten Island, CUNY), 09:45, Room MNO-E06-0615010 (6th floor 6A), CB, [Geometry and Topology seminar](#)
- 08/10/2018: Homotopy theory of monoids via derived localization (joint with J. Chuang and J. Holstein), Andrei Lazarev (University of Lancaster), 16:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Algebra, Geometry and Quantization Seminar](#)
- 03/10/2018: Entropy of manifolds and their fundamental groups, Gilles Courtois (Institut de Mathématique de Jussieu), 14:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Geometry and Topology seminar](#)
- 02/10/2018: Delocalization of Schrödinger eigenfunctions, [Nalini Anantharaman](#) (université de Strasbourg), 16:00, Room MSA 3.520, CB, [MAST](#)
- 21/09/2018: [Mathematical Career Day](#), 15:00, Room MSA 3.010, CB
- 21/09/2018: Fluctuations of the spectrum of matrix-valued Gaussian processes, Arturo Jaramillo, 10:00, Room MNO-E05-0515010 (5th floor 5A), CB, [Probability Seminar](#)
- 18/09/2018: [K-theory, endomorphisms, and Witt vectors](#), David Gepner (Purdue University), 16:30, Room MNO 1.050, CB, [General Mathematics Seminar](#)
- 17/09/2018: Ideal simplicial volume of manifolds with boundary (joint work with M. Moraschini), Roberto Frigerio, 15:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Geometry and Topology seminar](#)
- 11/09/2018: Constant scalar curvature Kähler cone metrics, [Julien Keller](#) (Institute of Mathematics of Marseille, Aix Marseille Université), Room MNO-E06-0615010 (6th floor 6A), CB, [Geometry and Topology seminar](#)
- 05/09/2018: Spectral theory of the ellipse, Amir Vig (University of California, Irvine), 14:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Geometry and Topology seminar](#)
- 22/08/2018: On a question of Coleman and Greenberg, Carl Wang-Erickson (Imperial College, London), 15:00, Room MNO-E06-0615010 (6th floor 6B), CB, [Number Theory Seminars](#)
- 16/07/2018: Formality theorem for dg manifolds, Ping Xu (Penn State University), 14:30, Room MNO-E06-0615010 (6th floor 6B), [Algebra, Geometry and Quantization Seminar](#)
- 09/07/2018: [Analytic torsion of locally symmetric spaces and torsion in the cohomology of arithmetic groups](#), Werner Müller (University of Bonn), 16:30, Room MNO 1.050, CB, [General Mathematics Seminar](#)
- 05/07/2018: Resolution blow up for conical singularities, Colette Anné (University of Nantes), 11:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Geometry and Topology seminar](#)
- 03-07/07/2018: [Summer School "Explicit and computational approaches to Galois representations"](#), Organiser: Antonella Perucca, [Shaunak Deo](#), [Ilker Inam](#), [Antonella Perucca](#), [Alexander Rahm](#), [Gabor Wiese](#), Room MSA 3110, CB
- 26/06/2018: [Path integrals and the early universe](#), Jean-Luc Lehners (Max-Planck-Institut für Gravitationsphysik - Albert-Einstein-Institut, Potsdam), Room MNO 1.040, 16:30, CB, [General Mathematics Seminar](#)
- 12/06/2018: A geometric interpretation of Kirillov's conjecture for tempered representations, Gang Liu (Université de Lorraine), 10:30, Room MNO-E06-0615010 (S.6B), [Harmonic Analysis Seminar](#)
- 12/06/2018: [Sheared Pleated surfaces and Limiting Configurations for Hitchin's equations](#), Michael Wolf (Rice University, Texas), Room MSA 3.370, 16:00, [Mathematics Colloquium](#)
- 11-14/06/2018: [Pseudo-Riemannian geometry and Anosov representations](#), [Organiser](#): T. Barbot, O. Glorieux, F. Kassel, V. Pécastaing, J-M Schlenker, Room MSA 3.370, CB
- 04-08/06/2018: [QUANTMOD — Quantization and Moduli Spaces](#), Organisers: Martin Schlichenmaier, François Petit, Room MSA 3.520, CB
- 05/06/2018: Universal positive mass theorems, Marc Herzlich, University of Montpellier, 10:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Geometry and Topology seminar](#)

- 31/05/2018: Weak transport costs : properties and applications, Nathael Gozlan (Paris V), 14:00, Room MNO-E05-0515010 (5th floor 5A), CB, [Probability Seminar](#)
- 28/05/2018: On the growth of geometrically bounding hyperbolic 3-manifolds, Stefano Riolo (University of Neuchâtel), 15:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Geometry and Topology seminar](#)
- 28/05/2018: Byzantine fault tolerance using shared memory objects & Key Exchange Protocols in Cryptography, Inês Pinto Gouveia & Luca Notarnicola, 13:00, Room MNO 1.040, CB, [Interdisciplinary seminar](#)
- 24/05/2018: Periods and multi zeta values & Value of risk and the Kelly criterion, Alexey Kalugin & Assar Andersson, Room MNO 1.020, CB, [Interdisciplinary seminar](#)
- 22/05/2018: Hyperbolic geometry of shapes of convex bodies, François Fillastre (Université Cergy-Pontoise), 15:00, Room MNO-E06-0615010 (S.6B), CB, [Geometry and Topology seminar](#)
- 22/05/2018: Dirac index and characters of discrete series representations, Roger Zierau (Oklahoma State University), 10:30, Room MNO-E06-0615010 (S.6B), [Harmonic Analysis Seminar](#)
- 17/05/2018: [Algebraic Curves and Modular Forms of Low Genus](#), Gerard van der Geer (VU Amsterdam), 15:45, Room MNO 1.040, CB, [Mathematics Colloquium](#)
- 17/05/2018: Pathwise Stieltjes integrals of discontinuously evaluated stochastic processes with applications to stochastic differential equations, [Lauri Viitasaari](#) (University of Helsinki), 14:00, Room MNO-E05-0515010 (5th floor 5A), CB, [Probability Seminar](#)
- 15/05/2018: Orbital parameters for invariant differential operators on nilpotent homogeneous spaces - Part 2, Salah Mehdi (Université de Lorraine), 10:30, Room MNO-E06-0615010 (S.6B), [Harmonic Analysis Seminar](#)
- 14/05/2018: A Cardboard Model for SOL Geometry, Marc Troyanov (EPFL), 15:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Geometry and Topology seminar](#)
- 08/05/2018: Hierarchical hyperbolicity, Mark Hagen (University of Bristol), 13:30, Room MNO-E06-0615010 (S.6B), [Geometry and Topology seminar](#)
- 08/05/2018: Orbital parameters for invariant differential operators on nilpotent homogeneous spaces, Salah Mehdi (Université de Lorraine), 10:30, Room MNO-E06-0615010 (S.6B), [Harmonic Analysis Seminar](#)
- 07/05/2018: The systole of large genus minimal surfaces, Henrik Matthiesen (Max Planck Institute, Bonn), 15:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Geometry and Topology seminar](#)
- 02/05/2018: Cyclic Reduction of Elliptic Curves, Francesco Campagna (Leiden), 15:00, Room MNO 1.050, CB, [Number Theory Seminars](#)
- 02/05/2018: Permutation rational functions via Chebotarev density theorem, Andrea Ferraguti (Cambridge), 14:00, Room MSA 3.100, CB, [Number Theory Seminars](#)
- 02/05/2018: On some variants of the (Regular) Inverse Galois Problem, François Legrand (Dresden), 10:00, Room MSA 3.100, CB, [Number Theory Seminars](#)
- 30/04/2018: Eccentricities in the flip-graphs of convex polygons, Lionel Pournin (Université Paris 13), 15:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Geometry and Topology seminar](#)
- 26/04/2018: Root numbers of abelian varieties, Matthew Bisatt (King's College), 14:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Number Theory Seminars](#)
- 25/04/2018: Zeta functions of dynamically affine mops in positive characteristic, Marc Hounen (UTRECHT), 9:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Number Theory Seminars](#)
- 23/04/2018: Computing the Geometric Intersection Number of Curves, Vincent Despré (INRIA Nancy), 15:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Geometry and Topology seminar](#)
- 19/04/2018: Gradients in Deep Neural Networks at Initialization, Boris Hanin (Texas), 14:00, Room MNO 1.050, CB, [Probability Seminar](#)
- 17/04/2018: Modular forms and curves over finite fields, Gerard van der Geer (VU Amsterdam), 15:45, Room MNO 1.040, CB, [Number Theory Seminars](#)
- 17/04/2018: Cyril Lecuire (Université Paul-Sabatier), 15:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Geometry and Topology seminar](#)

- 12/04/2018: Benjamin Ward (Stockholm University), Six operations formalism for generalized operads, , 15:30, Room MNO-E06-0615010 (S.6B), [Algebra, Geometry and Quantization Seminar](#)
- 12/04/2018: Shaunak Deo (UL), Congruences for coefficients of modular forms, 12:30 to 13:30, Room MNO 1.040, Lunchtime Seminar
- 11/04-25/05/2018: [lecture course Abelian Varieties](#), Professor van der Geer, CB,
- 09/04/2018: Ken'ichi Ohshika (Osaka University): On the bounded image theorem of Thurston, 15:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Geometry and Topology seminar](#)
- 28/03/2018: Generalized Mcshane's identity via Fock--Goncharov A modul space and triple ratios, Zhe Sun (YMSC, Tsinghua University & IHES), 12:45, Room MNO-E06-0615010 (6th floor 6A), CB, [Geometry and Topology seminar](#)
- 26/03/2018: Least dilatation of pure surface braids, [Marissa Loving](#) (University of Illinois), 15:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Geometry and Topology seminar](#)
- 20/03/2018: [A Semistochastic Model for the Carbon Content of an Ecosystem](#), James Broda (Bowdoin College, U.S.A.), 16:00, Room MNO 1.040, CB, [General Mathematics Seminar](#)
- 20/03/2018: Louis Ioos (Institut mathématique de Jussieu), 14:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Working Group Algebra, Geometry and Quantization](#)
- 19/03/2018: About an Obata-like-equation on Riemannian manifolds, Nicolas Ginoux (Université de Lorraine), 15:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Geometry and Topology seminar](#)
- 15/03/2018: [Minimizers of the sharp Log entropy on manifolds with non-negative Ricci curvature and flatness](#), Qi ZHANG (University of California Riverside), 16h, Room MNO 1.040, CB, [General Mathematics Seminar](#)
- 12-16/03/2018: [Persistant Homology PhD School](#), 15:00-17:00 / 10:00-12:00, CB, Doctoral School
- 12/03/2018: Affine morphisms and parallel vector fields on the compact Lorentzian 3-manifolds, Charles Boubel (Université de Strasbourg), 15:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Geometry and Topology seminar](#)
- 09/03/2018: On a homotopy version of the Duflo isomorphism, Matteo Felder (University of Zurich), 14:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Algebra, Geometry and Quantization](#)
- 06/03/2018: [Influence of the extrinsic curvature on the equilibrium of nematic films](#), Luigi Vergori (University of Perugia), 16:00, Room MNO 1.020, CB, [General Mathematics Seminar](#)
- 06/03/2018: Quantum semigroups with involution and their duals, Yulia Kuznetsova (Université de Franche-Comté), 14:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Working Group Algebra, Geometry and Quantization](#)
- 05/03/2018: [On some theorems on spherical geometry](#), Athanase Papadopoulos (CNRS - Université de Strasbourg), 15:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Geometry and Topology seminar](#)
- 26/02/2018: Topological algorithms for graphs on surfaces, Éric Colin de Verdière (U-PEM), 15:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Geometry and Topology seminar](#)
- 22/02/2018: Non-asymptotic Analysis of MCMC Error in Bayesian Regression Models and Efficiency of MCMC Thinning, Shane Lubold, 10:30, Room MNO-E05-0515010 (5th floor 5A), CB, [Probability Seminar](#)
- 15/02/2018: Congruence graphs, Samuele Anni (Bonn), 16:00, Room MNO-E06-0615110 (6th floor 6B), CB, [Number Theory Seminars](#)
- 13/02/2018: Local-to-global rigidity, Romain Tessera (Université Paris-Saclay), 14:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Geometry and Topology seminar](#)
- 05/02/2018: Similarity Manifolds after Mickaël Kourganoff, Abdelghani Zeghib (Ecole normale supérieure de Lyon), 15:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Geometry and Topology seminar](#)
- 05/02/2018: Abelian varieties with everywhere good reduction over certain real quadratic fields, Lassina Dembélé, 14:00, Room MNO-E06-0615110 (6th floor 6B), CB, [Number Theory Seminars](#)

- 01/02/2018: [Renormalization theory and the density functionals for a continuous product measure](#), Rodrigo Vargas Le-Bert (University of Camerino, Italy), 16:00, Room MNO 1.040, CB, [General Mathematics Seminar](#)
- 29/01/2018: The co-Minkowski space and an asymmetric norm on the Teichmüller space, Thierry Barbot (Université d'Avignon), 15:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Geometry and Topology seminar](#)
- 24/01/2018: Multivariate second order Poincaré inequalities for Poisson functionals, Matthias Schulte (Bern University), 10:30, Room MNO-E05-0515010 (5th floor 5A), CB, [Probability Seminar](#)
- 22/01/2018: Hyperbolization on infinite type 3-manifold, Tommaso Cremaschi (Boston College), 15:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Geometry and Topology seminar](#)
- 18/01/2018: [Geometry in Action, and Actions in Geometry](#), 2d Edition. (GAAG2),
Organiser: Vincent Pecastaing, Jean-Marc Schlenker, Room MNO 1.040, CB
- 17/01/18: Talk spécialisé probabilité, [D. Belyaev \(Oxford\)](#), 10:00, Room MNO-E05-0515010 (5th floor 5A), CB, [Probability Seminar](#)
- 16/01/2018: [Geometry of Gaussian Fields](#), [D. Belyaev \(Oxford\)](#), 17:00, Room MNO 1.050, CB, [General Mathematics Seminar](#)
- 08/01/2018: Riemannian and Hermitian spaces of infinite dimension. Rigid representations of lattices, Bruno Duchesne (Nancy), 15:00, Room MNO-E06-0615010 (6th floor 6A), CB, [Geometry and Topology seminar](#)
- 08/01/2018: Constant curvature surfaces in Minkowski space, Peter Smillie (Harvard), 10:00, Room MNO-E06-0615110 (6th floor 6B), CB, [Geometry and Topology seminar](#)