

All mathematics lectures 2015

- 15/12/2015: Three dimensional manifolds, Kleinian groups and hyperbolic geometry after Thurston, Prof. Jeffrey F. Brock (Brown University, USA), 16:00, Room B02, CK, Colloquium
- 14/12/2015: Weil-Petersson systoles and volumes of hyperbolic mapping tori, Prof. Jeffrey F. Brock (Brown University, USA), 16:00, Room G002, CK, Geometry and Topology seminar
- 09-11/12/2015: Higher Geometry and Field Theory, Organisers: Norbert Poncin, Stephen Kwok, Vladimir Salnikov, Room Salle des conseils from 09 to 10/12, B17 for 11/12, CK
- 10/12/2015: Universality of the mean number of roots of random trigonometric polynomials under a weak Cramer condition, Guillaume Poly (IRMAR, Rennes), 16:00, Room B27, CK, Probability Seminar
- 08/12/2015: Higher Deligne groupoids, Ruggero Bandiera (Università di Roma), From 14:00 to 15:00, Room B27, CK, Working Group Algebra, Geometry and Quantization
- 08/12/2015: Squares of determinants and probability, Prof. Thierry Lévy (Université Pierre et Marie Curie, Paris 6), 16:00, Room B02, CK, General Mathematics Seminar
- 03/12/2015: Central extensions of mapping class groups from characteristic classes, Alessandro Valentino (Max Planck Institute for Mathematics, Bonn), Room Salle des conseils, CK, Algebraic Topology, Geometry and Physics
- 02/12/2015: Many interacting worlds, quantum mechanics and Stein's method, Yvik SWAN (Liège), 16:00, Room B24a, CK, Probability Seminar
- 02/12/2015: New counterexamples to Quillen's conjecture, Matthias Wendt (University of Duisburg Essen), 16:00, Meeting room in Math Library, CK, Number theory seminar
- 01/12/2015: On cohomology of graph-complexes, Anton Khoroshkin (HSE University of Moscow), from 14:00 to 15:00, Room B27, CK, Working Group Algebra, Geometry and Quantization
- 30/11/2015: Spinors, Dirac operator: Introduction and Applications, Oussama Hijazi (Nancy), 16:00, Room G002, CK, Geometry and Topology seminar
- 24/11/2015: Classification of equivariant star products on symplectic manifolds, Thorsten Reichert (Universität Würzburg), 14:00, Room C11, CK, Working Group Algebra, Geometry and Quantization
- 24/11/2015: Noncommutative analogues of moduli spaces via brick manifolds, Vladimir Dotsenko (Trinity College Dublin), 16:00, Room B02, CK, General Mathematics Seminar
- 17/11/2015: Lagrangian submanifolds in strict nearly Kähler 6-manifolds, Lorenz Schwachhöfer (Universität Dortmund, Germany), 16:00, Room B02, CK, General Mathematics Seminar
- 16/11/2015: Degeneration of Hitchin representations, Tengren Zhang (Caltech), 16:00, Room G002, CK, Geometry and Topology seminar
- 12/11/2015: Geometric structures on complex manifolds of algebraic dimension zero, Sorin Dumitrescu (Université de Nice), 14:15, Library room, building G, CK, Geometry and Topology seminar
- 12/11/2015: Some results on the random connection model, Günter Last (Karlsruhe); Limit theorems for random geometric graphs, Matthias Schulte (Karlsruhe), from 11:30 to 13:15, Room B17, CK, Probability Seminar
- 10/11/2015: Representations of compact supergroups and SUSY structures, Prof. Dr. Rita Fioresi (Università di Bologna, Italy), 16:00, Room B02, CK, General Mathematics Seminar
- 09/11/2015: How to Run a Centipede: a Topological Perspective, Boris Shapiro (Stockholm), 16:00, Room G002, Geometry and Topology seminar
- 04/11/2015: The Gravity operad is free, Johan Alm (Stockholm University), 16:00, Room TBD, CK, Geometry and Topology seminar
- 03/11/2015: Fundamental group and Seshadri constants on smooth varieties, Luca Fabrizio Di Cerbo (Max Planck Institute for Mathematics, Bonn, Germany), 16:00, Room B02, CK, General Mathematics Seminar
- 03/11/2015: Benjamin Hennion (Max Planck Institute for Mathematics): Higher dimensional formal loop spaces, 14:00, Room B23, Working Group Algebra, Geometry and Quantization
- 27/10/2015: From Smale's eversion of the sphere to the topology of spaces of knots, Prof. Pascal Lambrecht (Université Catholique de Louvain), 16:00, Room B02, CK, General Mathematics Seminar
- 26/10/2015: The prescribed Ricci curvature problem on homogeneous spaces, Artem Pulemotov (The University of Queensland, Australia), 16:00, Room B23, CK, General Mathematics Seminar
- 16/10/2015: Recurrence and Transience of Frogs with Drift on Z^d , Thomas Höfelsauer and Felizitas Weidner (München), 11:30, Room B02, CK, Probability Seminar

- 07/10/2015: Parametric Galois extensions, François Legrand (Tel Aviv), 16:00, Library room, building G, CK, Algebra and Number Theory
- 05/10/2015: Concentration for Poisson functionals, Sascha BACHMANN (Universität Osnabrück), 16:30, Room A17, CK, Probability Seminar
- 30/09/2015: Random points in a halfsphere, Matthias REITZNER (Universität Osnabrück), 15:00, Room B13, CK, Probability Seminar
- 29/09/2015: Riemann surfaces, periods and Schottky problem, Prof. Giulio Codogni (University of Rome III & University of Pavia), 16:00, Room B02, CK, General Mathematics Seminar
- 22/09/2015: Projective embeddings, Kähler metrics and quantisation, Prof. Joel Fine (Université libre de Bruxelles), 16:00, Room B02, CK, General Mathematics Seminar
- 21/09/2015: Isometries of Lorentzian surfaces, Daniel Monclair, 16:00, Room B14, CK, Geometry and Topology Seminar
- 21/09/2015: SPDEs with fractional noise in space, Lluís Quer (Barcelona), 16:00, Room A17, CK, Probability Seminar
- 18/09/2015: A weighted Poincaré inequality on the Heisenberg group, Ronan Herry (Dauphine University), 15:30, Room B04, CK, Probability Seminar
- 10/09/2015: Stochastic analysis of the horizontal Brownian of a Riemannian foliation, Fabrice BAUDOIN (Purdue University), 13:00, Room B04, CK, Probability Seminar
- 03/09/2015: A variational proof of Otto-Villani Theorem, Nathael Gozlan (Paris Est - Marne-la-Vallée), 16:00, Room B04, CK, Probability Seminar
- 22/07/2015: Circle actions on symplectic manifolds with some minimality conditions, Prof. Hui Li (Soochow University, Suzhou, China), 16:00, Room A02, CK,
- 21/07/2015: Heat kernel asymptotics at the cut locus, Robert Neel (Lehigh University, USA), 16:00, Room B04, CK, Probability Seminar
- 16/07/2015: Some estimation of arc-length on hyperbolic surfaces, Weixu Su (Shanghai), from 14:00 to 15:00, Room B21, CK, Differential and Homological geometry seminar
- 14/07/2015: Kauffman brackets on surfaces, Prof. Francis Bonahon (University of Southern California), 5pm, Room B21, CK, General Mathematics Seminar
- 13-15/07/2015: 3 dimensional Geometric Structures, Representations of Surface Groups and related topics, Organisers: Jean-Marc Schlenker, Jeremy Toulisse, Nicolas Tholozan, CK, Harmonic and Geometric Analysis
- 25/06/2015: Parameter estimation for Gaussian sequences: sharp asymptotic normality and non-normality, Frederi Viens (Purdue University), from 15:30 to 17:30, Room B04, CK, Probability seminar
- 24/06/2015: Invariants at infinity for asymptotically hyperbolic manifolds, Julien Cortier (from Bonn), 16:00, Room B04, CK, DHG Seminar
- 24/06/2015: Contact Geometry in Singularity Theory, Daniel Matei (from Bucharest), 14:30, Room B04, CK, DHG Seminar
- 18/06/2015: Some elliptic curves from the real world, Prof. Bas Edixhoven (Universiteit Leiden), 5pm, Room A02, CK, General Mathematics Seminar
- 17/06/2015: Collar lemma for Hitchin representations, Gye-Seon Lee (Heidelberg), from 16:00 to 17:00, Room B04, CK, Differential and Homological geometry seminar
- 15-19/06/2015: Frontiers in Serre's Modularity Conjecture: Torsion and Low Weights, Organiser: Gabor Wiese, room A02, CK
- 10-12/06/2015: DyGeSt WP3: "Geometry, quantization and operator algebras", Organisers: Martin Schlichenmaier / Stéphane Korvers, Room A02, CK
- 09/06/2015 : Complex powers of analytic functions and renormalization in QFT, Nguyen Viet DANG (Université de Lille 1), from 11:30 to 12:30, Room B23, CK, Working Group Algebra, Geometry and Quantization
- 02/06/2015: Gromov-Witten invariants and Brane Actions, Marco Robalo (Université Paris VII), from 11:30 to 12:30, Room B23, CK, Working Group Algebra, Geometry and Quantization
- 27/05/2015: Modular symbols on Hilbert modular varieties and p-adic L-functions, Mladen Dimitrov, Lille, 4pm, lecture room in the library of the G-building, CK
- 26/05/2015: L^∞ spaces and nonlinear sigma models, Owen Gwilliam, Max Planck Institute for Mathematics, Bonn, General Mathematics Seminar
- 26/05/2015: "Of singularities whose resolutions are by Lie groupoids homogeneous spaces", Camille Laurent-Gengoux (Université de Metz), from 11:30 to 12:30, room B23, CK, Working Group Algebra, Geometry and Quantization

- 19/05/2015: From 423 to affine regular polygonal lines, Pierre Lecomte (Université de Liege), 16:00, Room B02, CK, General Mathematics Seminar
- 13/05/2015: Moduli spaces of flat tori with conical singularities, Selim Ghazouani (ENS Ulm, Paris), 17:15, Room A17, CK, Differential and Homological geometry seminar
- 13/05/2015: "Index theorem for sheaves and D-modules", Pierre Schapira, from 11:30 to 13:00 in room A16, CK
- 12/05/2015: "Traces for Fedosov's star products and moment maps on infinite dimensional manifolds", Laurent La Fuente-Gravy (Université catholique de Louvain), from 11:30 to 12:30, room B23, CK, Working Group Algebra, Geometry and Quantization
- 05/05/2015: Spectral triples and Toeplitz operators, Kevin Falk (Université d'Aix-Marseille), from 11:30 to 12:30, room B23, CK, Working Group Algebra, Geometry and Quantization
- 29/04/2015: U(p,q) Higgs bundles and the Hitchin-Kostant-Rallis section, Ana Peon-Nieto, 4pm, room A17, CK
- 29/04/2015: Index theorem for sheaves and D-modules, Pierre Schapira, from 11:30 to 13:00, room A16, CK
- 28/04/2015: Higher analytic stacks and GAGA theorems, Mauro Porta (Université Paris Diderot), 16:00, Room A02, CK, General Mathematics Seminar
- 22/04/2015: Index theorem for sheaves and D-modules, Pierre Schapira, from 11:30 to 13:00, room A16, CK
- 20/04/2015: Big Bang, Blow Up, and Modular Curves: Algebraic Geometry in Cosmology, Yuri Manin, 16:00, Room A02, CK, Colloquium
- 16/04/2015: Jean-Marc AZAÏS (Université de Toulouse), 16:30, room B04, CK
- 16/04/2015: CLT for level functionals and applications, José LEÓN (INRIA Grenoble; Central University of Venezuela), 15:30, room B04, CK
- 16/04/2015: Anti-de Sitter and Margulis spacetimes (after Danciger-Guéritaud-Kassel), Jean-Marc Schlenker, from 14:00 to 15:30, room B14, CK
- 15/04/2015: Number Theory in Magma, Mark Watkins, a number theorist and one of the main developers of the Computer Algebra System Magma from Sydney, 16:00, Room Lecture room of the Library in G Building
- 15/04/2015: Index theorem for sheaves and D-modules, Pierre Schapira, from 11:30 to 13:00, room A16, CK
- 08/04/2015: Index theorem for sheaves and D-modules, Pierre Schapira, from 11:30 to 13:00, room A16, CK
- 02/04/2015: Matrix concentration inequalities via the method of exchangeable pairs, Joel Tropp (Caltech), 14:00, room B27, CK, Probability Seminar
- 02/04/2015: Open problems in the mathematical modelling of deterministic biochemical network dynamics, Ronan Fleming (UL), from 12:30 to 13:30, Room F213, CK
- 02/04/2015: Quantization on K3 surfaces, Hector Castejon-Diaz, 10:00, room B04, CK
- 01/04/2015: Critical exponents of surface groups acting on the product of hyperbolic spaces, Olivier Glorieux (UPMC, Paris), from 16:00 to 17:00, Room B13, CK
- 01/04/2015: Index theorem for sheaves and D-modules, Pierre Schapira, from 11:30 to 13:00, room A16, CK
- 31/03/2015: Dual pairs, intertwining distributions and orbital integrals, Angela Pasquale, Université de Lorraine, Metz, 17:00, Room B02, CK
- 30/03/2015: Closed anti-de Sitter spacetimes (after Guéritaud-Kassel), Nicolas Tholozan, from 14:00 to 15:30, room B14, CK
- 26/03/2015: Flat superconnections and the loop space, Florian Schätz, QGM, Aarhus University, 10:00, CK
- 25/03/2015: Index theorem for sheaves and D-modules, Pierre Schapira, from 11:30 to 13:00, room A16, CK
- 23/03/2015: Introduction to anti-de Sitter geometry in dimension 3, Jean-Marc Schlenker, from 14:00 to 15:30, room B14, CK
- 18/03/2015: Index theorem for sheaves and D-modules, Pierre Schapira, from 11:30 to 13:00, room A16, CK
- 12/03/2015: Stochastic Analysis of Gaussian Processes via Fredholm Representation, Lauri VIITASAARI (Aalto University), 16:00, room B04, Probability Seminar
- 12/03/2015: On the speed in transportation costs of heat distributions, Kazumasa KUWADA (Tokyo Tech), 15:00, room B04, CK, Probability Seminar
- 12/03/2015: Multiscale quasicontinuum modelling of dissipative lattice models, Lars Beex, from 12:30 to 13:30, room F213, CK
- 11/03/2015: Rigidity of maximal representations of complex hyperbolic lattices, Julien Maubon (Nancy), from 16:00 to 17:00, room B13, CK

- 11/03/2015: Index theorem for sheaves and D-modules, Pierre Schapira, from 11:30 to 13:00, room A16, CK
- 09/03/2015: An introduction to topological recursion, Francois Petit, from 11:30 to 12:45, room B23, CK
- 05/03/2015: Universality in Polytope Phase Transitions and Message Passing Algorithms, Marc LELARGE (ENS and INRIA), 16:00, room B04, Probability Seminar
- 04/03/2015: Index theorem for sheaves and D-modules, Pierre Schapira, from 11:30 to 13:00, room A16, CK
- 26/02/2015: A new criterion for design matrices in the LASSO, Stéphane CHRÉTIEN (Besançon), 16:00, room B04, Probability Seminar
- 25/02/2015: Differential and Homological geometry seminar, Complex manifolds as families of homotopy algebras, Joan Millès (Toulouse), 16:00, room B27
- 24/02/2015, Leibniz algebras: deformation quantization and some integration, Martin Bordemann (Université de Haute Alsace), TBA, General Mathematics Seminar, Université du Luxembourg, CK, 16:00, room B02
- 16, 17 and 18 February 2015, 4pm, room B14: Daniele Alessandrini (Heidelberg): Introduction to Spectral Networks
- 12/02/2015, 4pm, B04: Ionel Popescu (Georgia Institute of Technology), "Free Functional Inequalities on the Circle" in the framework of our Probability Seminar.
- 11/02/2015, 4pm: Gabriele Mondello ("Sapienza" Rome University), On the cohomological dimension of the moduli space of Riemann surfaces, B17, Differential and homological seminar
- 02/02/2015, 4pm, B04: Aurélien Deya (Lorraine): An application of the theory of regularity structures to the study of a fractional heat equation, Probability Seminar
- 20/01/2015: Patrizia Vitale (University of Naples): Symplectic realizations of star products in Noncommutative Geometry, General Mathematics Seminar
- 13/01/2015: Valentin Ovsienko (CNRS Reims): Coxeter's frieze patterns, commuting difference operators and moduli spaces, General Mathematics Seminar
- 09/01/2015: Xiangdong Li (AMSS, Chinese Academy of Sciences): Harnack inequalities and W-entropy formula for Witten Laplacian on Riemannian manifolds with K-super Perelman Ricci flow Friday, 11:00, room B02, Probability Seminar