

Conference ProbaGéo

10-12 June 2014

Schedule

All conferences will take place in conference room of the Institut de Mathématique de Bordeaux

Building A33, Université de Bordeaux
351, Cours de la Libération, TALENCE

Tuesday June 10th

10 :30 : Registration, tea and coffee

11 :00 - 11 :50 : Shizan Fang, *Hydrodynamics and Stochastic Differential Equations*

12 :00 - 12 :50 : Erlend Grong, *Sub-Riemannian manifolds with a metric preserving complement and their diffusions*

13 :00 : Buffet

14 :00 - 14 :50 : Jacques Franchi, *Small time asymptotics for an example of strictly hypoelliptic heat kernel*

15 :00 - 15 :50 : Ismaël Bailleul, *Rough paths on Banach manifolds*

16 :00 : Tea and Coffee

16 :30 - 17 :20 : Nicolas Juillet, *An optimal transport problem for two measures in the convex order*

17 :30 - 18 :20 : Guillaume Cebron, *Lévy processes on the unitary group in large dimension*

Wednesday June 11th

9 :00- 9 :50 : Elton Hsu, *Brownian Motion and Gradient Estimates of Positive Solutions of Heat Equations*

10 :00 : Tea and Coffee

10 :30 - 11 :20 : Robert Philipowski, *Martingales on manifolds with time-dependent connection*

11 :30 - 12 :20 : Adrien Richou, *Some recent advances for existence and uniqueness of solutions for quadratic backward stochastic differential equations*

12 :30 : Lunch at restaurant Haut Carré

14 :00 - 14 :50 : Ana Bela Cruzeiro, *Navier-Stokes equation and forward-backward stochastic differential systems*

15 :00 - 15 :50 : Michel Bonnefont, *Spectral gap for spherically symmetric log-concave probability measures*

16 :00 : Tea and Coffee

16 :30 - 17 :20 : Jürgen Angst, *Kinetic Brownian motion on Riemannian manifolds*

17 :30 - 18 :20 : Jean Picard, *Semi-stochastic mechanics and geodesics*

20 :00 : Conference dinner, at restaurant "Le parlement des Graves", 9 rue du Parlement Sainte Catherine, Bordeaux, (33) (5) 56 51 68 54

<http://www.leparlementdesgraves.fr/>

Thursday June 12th

9 :00- 9 :50 : Thierry Lévy, *Third order phase transition in unitary matricial models*

9 :50 : Tea and Coffee

10 :10 - 11 :00 : Ionel Popescu, *Shy and Fixed distance couplings on Riemannian manifolds*

11 :10 - 12 :00 : Robert Neel, *Degenerate martingales arising from various geometric structures, including minimal surfaces*

12 :10 - 12 :40 : Rémi Lassalle, *A propos des principes de moindre action stochastiques pour l'équation de Navier-Stokes*

12 :40 : Buffet