

Summer school in Mathematics

Third week
June 29th - July 3rd

Day	Hour	Place	Lecturer	Title
Monday, June 29 th	09:00 - 10:00	Institut Fourier - Chabauty	Y. Brenier	<i>Optimal transport, convection theory and semi-geostrophic equations</i>
	10:00 - 10:30	Institut Fourier - Room 14		Coffee break
	10:30 - 11:30	Institut Fourier - Chabauty	A. Joulin	<i>Curvature and concentration for empirical means of Markov Chains</i>
	14:00 - 15:30	UFR Chimie - Amphi EST	F. Maggi	<i>Stability problems for anisotropic surface tensions</i>
	15:30 - 16:00	Institut Fourier - Room 14		Fresh drinks
	16:00 - 17:30	UFR Chimie - Amphi EST	B. De Meyer	<i>Continuous martingales of maximal variation and price dynamics on the stock market</i>
Tuesday, June 30 rd	09:00 - 10:00	Institut Fourier - Chabauty	F. Bolley	<i>Phi-entropy inequalities and Fokker-Plank equations</i>
	10:00 - 10:30	Institut Fourier - Room 14		Coffee break
	10:30 - 11:30	Institut Fourier - Chabauty	E. Stepanov	<i>Optimal transportation with fractional costs</i>
	14:30 - 15:30	UFR Chimie - Amphi EST	D. Jacobs	<i>Applications of the Earth mover's distance in computer vision, with a new approximate algorithm</i>
	15:30 - 16:00	Institut Fourier - Room 14		Fresh drinks
	16:00 - 17:00	UFR Chimie - Amphi EST	Q. Mérigot	<i>Stability of Federer's curvature measures</i>
Wednesday, July 1 st	09:00 - 10:00	Institut Fourier - Chabauty	V. Calvez	<i>The geometry of one-dimensional self attracting particles</i>
	10:00 - 10:30	Institut Fourier - Room 14		Coffee break
	10:30 - 11:30	Institut Fourier - Chabauty	R. Mc Cann	<i>Curvature and the continuity of optimal transportation map</i>
	14:30 - 15:30	UFR Chimie - Amphi EST	W. Schachermayer	<i>Duality for Borel measurable cost functions</i>
	15:30 - 16:00	Institut Fourier - Room 14		Fresh drinks
	16:00 - 17:00	UFR Chimie - Amphi EST	A. Guillin	<i>Transportation, Poincaré and other inequalities via Lyapounov conditions</i>
Thursday, July 2 nd	09:00 - 10:00	Institut Fourier - Chabauty	J. Delon	<i>Transport optimization on the circle and applications in image processing</i>
	10:00 - 10:30	Institut Fourier - Room 14		Coffee break
	10:30 - 11:30	Institut Fourier - Chabauty	A. Sobolevskii	<i>Transport in shock manifolds in Hamilton-Jacobi equations</i>
	14:30 - 15:30	UFR Chimie - Amphi EST	L.M. Wu	<i>Lipschitzian norm estimate of Poisson equations and applications in transportation-information inequalities</i>
	15:30 - 16:00	Institut Fourier - Room 14		Fresh drinks
	16:00 - 17:00	UFR Chimie - Amphi EST	K.T. Sturm	<i>Entropic measures on multidimensional spaces</i>
	18:00	UFR Chimie - Amphi EST		Buffet
Friday, July 3 rd	09:00 - 10:00	Institut Fourier - Chabauty	N. Gozlan	<i>A refined version of Otto and Villani's theorem</i>
	10:00 - 10:30	Institut Fourier - Room 14		Coffee break
	10:30 - 11:30	Institut Fourier - Chabauty	U. Frisch	<i>Optimal transport and the reconstruction of the early Universe</i>
	14:00 - 15:00	UFR Chimie - Amphi EST	C. Jimenez	<i>Optimal transportation with a convex obstacle</i>
	15:00 - 15:30	Institut Fourier - Room 14		Fresh drinks
	15:30 - 16:30	UFR Chimie - Amphi EST	B. Maury	<i>Gradient flow formulation of crowd motion models</i>