

# RECENT ADVANCES IN OPTIMAL TRANSPORTATION AND APPLICATIONS

OCT. 28-30, 2009  
Laboratoire J.A. Dieudonné, Nice

## Wednesday, October 28

10:00-10:30 *Opening and coffee*

10:30-11:20 **L. Rifford**, On Riemannian manifolds satisfying the Transport Continuity Property

11:30-12:20 **G. Savaré**, "Displacement extrapolation" and the one-dimensional sticky particle system

*Lunch*

14:00-14:50 **T. Champion**, The Monge problem in  $\mathbb{R}^d$

15:00-15:50 **F. Maggi**, Stability problems for anisotropic surface tensions

*Coffee break*

16:30-17:20 **A. Lemenant**, Regularity for the average distance problem : main results and open questions

## Thursday, October 29

9:30-10:20 **G. Bouchitté**, Optimization in the class of 1-rectifiable transports

*Coffee break*

11:00-11:50 **F. Santambrogio**, Optimal maps for non-strictly convex transport costs: a general strategy and a case where it succeeds (the power of a norm in dimension two).

12:00-12:30 **L. Brasco**, Regularity issues in a continuous model of transportation

*Lunch*

14:00-14:50 **G. Buttazzo**, On some problems in spectral optimization

15:00-15:50 **A. Pratelli**, Minimizing the area or maximizing the perimeter of convex sets with given minimal bisecting length

*Coffee*

*Social dinner*

## Friday, October 30

9:30-10:20 **L. Ambrosio**, Flows in the space of probability measures and convergence of Wigner transforms

*Coffee break*

11:00-11:50 **G. Carlier**, From Knothe's transport to Brenier's map and a continuation method for optimal transport

12:00-12:30 **E. Mainini**, A class of nonlinear diffusion equations in Hilbert spaces

*Lunch*