

Trieste, October 28-29, 2013

Two Days on Hyperbolic PDEs, Geometric Measure Theory and Optimal Transport

Program

N.B.: all talks include 5 minutes for questions and remarks

Monday October 28

09:00-09:20 Registration

09:20-09:30 Opening

09:30-10:30 Nicola Gigli (University of Nice): *Differential structure of spaces with Ricci curvature bounded from below*

10:30-11:30 Fabio Cavalletti (University of Aachen): *Globalization problem in CD-spaces*

11:30-11:50 Coffee Break

11:50-12:50 Guido De Philippis (University of Bonn): *Spectral optimization problems with perimeter constraint*

12:50-14:20 Lunch Break

14:20-15:20 Emanuele Spadaro (University of Leipzig): *Regularity of higher codimension area minimizing integral currents*

15:20-16:20 Maria Colombo (SNS Pisa): *Equality cases and rigidity in symmetrization inequalities*

16:20-16:40 Coffee Break

16:40-17:40 Anna Bohun (University of Basel): *The flow associated to vector fields with anisotropic regularity*

20:00 Social Dinner

Tuesday October 29

09:00-10:00 Mahir Hadzic (King's College London): *Stability of the dust-Einstein System with a Positive Cosmological Constant*

10:00-11:00 Antoine Choffrut (University of Edinburgh): *On weak solutions to the stationary incompressible Euler equations*

11:00-11:20 **Coffee Break**

12:00-12:20 Sara Daneri (University of Leipzig): *Dissipative Hölder solutions to the incompressible Euler equations*

12:20-14:00 **Lunch Break**

14:00-15:00 Elisabetta Chiodaroli (EPF Losanne): *Surprising solutions to the isentropic Euler system of gas dynamics*

15:00-16:00 Tristan Buckmaster (University of Leipzig): *Recent progress towards Onsager's Conjecture*

16:00 **Closing**