Special Session 24 - "Conservation Laws for Fuild and Transport Models: Analysis and Numerics"

Building: Giurisprudenza **Room: Aula Ex Chimica**

Monday, 7 September	
11:00 – 11:20	Mario Putti *Geometric intrinsic modeling of shallow water flows*
11:20 – 11:40	Eduardo Abreu *A geometric vector field approach for multidimensional conservation laws: from scalar entropy to Lax positivity system*
11:40 – 12:00	Laura Spinolo *Stability of dispersive boundary laters for scalar conservation laws in one space dimension*
12:00 – 12:20	Luca Talamini *A differential structure for general conservation laws*
12:20 – 12:40	Laura Caravenna *Local asymptotic patterns for viscous approximation of conservation laws*
12:40 – 13:00	Graziano Guerra *Conservation laws with coinciding smooth solutions and the isentropic approximation in gas dynamics*
14:30 – 14:50	Annalisa Cesaroni *A Lagrangian representation to the classical LWR model and application to the analysis of commuting times in a linear city*
14:50 – 15:10	Mauro Gravello *Structure of optimal solutions for traffic flows*
15:10 – 15:30	Massimiliano Rosini *Entropy solutions for Temple-class systems with discontinuous flux*
15:30 – 15:50	Wanderson Lambert *Theoretical aspects of a Lagrangian-Eulerian Method for Hyperbolic Conservation laws*
15:50 – 16:10	Elena Bachini *A geometric Lagrangian-Eulerian formulation for the intrinsic shallow water equations on general topography*