Kinetic Traffic Models and Numerical Methods
Rome, February 5, 2020
Conference on the occasion of Gabriella Puppo 60th birthday

**Program**

9:00 Registration

9:20 Welcome

9:30 – 10:10 Angelo Iollo
*Compressible flows, Low-Order Models and Optimal Transportation*

10:10 – 10:50 Rémi Abgrall
*Some comments on structure preserving high order schemes: the example of entropy preserving schemes, and other constraints*

Coffee Break

11:10 – 11:50 Sebastian Noelle
*Well-balancing toolbox*

11:50 – 12:30 Christian Klingenberg
*Low Mach number AP schemes for the Euler equations*

12:30 – 13:10 Maria Groppi
*Consistent BGK models for gas mixtures and their hydrodynamic limits*

Lunch Break

14:30 – 15:10 Smadar Karni
*A Second Order Traffic Flow Model with Lane Changing*

15:10 – 15:50 Giuseppe Visconti
*Unstable waves in kinetic traffic models*

Coffee Break

16:10 – 16:50 Maya Briani
*Multiclass traffic flow modeling with application to real data*

16:50 – 17:30 Andrea Tosin
*Emerging topics in the kinetic theory of traffic flow*