

New Directions in Mathematical Approaches for Traffic Flow Management

Thursday September 17, 2015

11:00–11:30 **Benjamin Seibold** (Temple University)
Traffic Waves

Tuesday September 22, 2015

11:00–11:30 **Gustav Nilsson** (Lund University)
Entropy-like Lyapunov functions for the stability analysis of adaptive traffic signal controls

Tuesday October 6, 2015

10:00–11:00 **Rinaldo Colombo** (Università di Brescia)
Conservation laws for traffic: a tutorial

11:00–12:00 **Paola Goatin** (INRIA)
Conservation laws with local flux constraints to model toll-gates and moving bottlenecks

Thursday October 8, 2015

11:00–11:30 **Edward Canepa** (King Abdullah Univ. of Science and Technology (KAUST))
Traffic estimation toolbox based on MILP

11:30–12:00 **Kwami Sossoe** (IRT SystemX)
Two-dimensional traffic flow modelling for large-scale network

Thursday October 22, 2015

11:00–11:30 **Silvia Siri** (Università di Genova)
Two-class traffic control to reduce congestion and emissions in freeway systems



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