# Traffic flow simulation using mesoscopic approach

*Dr.sc.ing. Mihails Savrasovs*

*Dean of the Computer Science and Telecommunication Faculty*

*Transport and Telecommunication Institute, Riga, Latvia*

[*Lomonosova iela 1, Rīga, LV 1019, Latvija*](https://maps.google.com/?q=Lomonosova+iela+1,+R%C4%ABga,+LV+1019,+Latvija&entry=gmail&source=g)

*Phone: +371 67100654, Mob.: +371 29654003, E-mail: savrasovs.m@tsi.lv, http://[www.tsi.lv](http://www.tsi.lv/%22%20%5Ct%20%22_blank)*

**Civil Engineering Department, University of Thessaly, Pedion Areos, 38334, Volos**

**November 22, 2017, 18:00-19:00**

Annotation of the lecture:

Microscopic and macroscopic traffic flow simulation approaches are widely used and are well known by the researchers and practitioners. But both approaches have a number of disadvantages, which sometimes limits the application of the mentioned approaches. The feasible solution could be application of the mesoscopic approach for traffic flow simulation.

 The lecture will deliver: a) presentation of the mesoscopic approach for traffic flow simulation, which is based on Discrete Rate paradigm; b) demonstration of the validation results of the proposed approach; c) case-study of the proposed approach application.

Lecture structure: 45 minutes +15 minutes for questions and answers