

# Traffic flow simulation using mesoscopic approach

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## 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