Head:	Dr. A. Kouvelas / Dr. M. Makridis
Topic:	**Performance evaluation of state-of-the-art congestion pricing policies**
Assistant:	Linghang Sun
Registration:	www.ivt.ethz.ch/en/studies/downloads/assignments.html#registration

Description:

The growing number of people living in cities results in rising mobility demand, and as a consequence the limited capacity of traffic networks gets more stressed. Hence, congested network links are causing travel delays and negative impacts on the environment, postulating for a methodology to overcome this challenge. Congestion pricing is a very effective tool to tackle today's cities traffic problems. Different strategies are available in literature or even applied in real-world that show a positive effect on the traffic situation.

This thesis work should investigate the design and implementation of a performance indicator framework to evaluate available congestion pricing strategies. The work includes a literature review of available congestion pricing policies and their limitations in practice as well as in modeling. The major work package is the implementation of the designed framework. Consequently, the policies should be tested with the designed methodology.

Links:	-
Additional remarks:	Individual work recommended
Minimum credits:	8-11 ECTS based on the study program and type of the thesis
Recommended lectures:	101-0416-10L Road Transport Systems
Additional remarks:	Basic coding skills in Matlab, Python, R, or another similar programming language are required. Interested students may contact linghang.sun@ivt.baug.ethz.ch