



Séminaire du CIRRELT Seminar

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AN INITIAL ASSESSMENT OF AUTOMATED VEHICLES BASED ON SURVEYS AND SIMULATION

Abstract: Automated – level 5 – vehicles are expected to disrupt the transport market in many ways. In a series of projects we have looked at those likely impacts. The talk will report on survey work on acceptance and use of AVs. It will focus on the question, if the most talked about prospect, large AV fleets will have a chance in the market and what the impact of sustainable fleets will be. The results are based on MATSim, an agent based model of travel demand and traffic flow, which has been extended to model taxi fleets and their dispatch and repositioning.

Bio: Kay W. Axhausen is the Professor of Transport Planning in the Institute for Transport Planning and Systems (IVT) at the Eidgenössische Technische Hochschule (ETH – Swiss Federal Institute of Technology) in Zurich. He previously held academic positions at the Leopold-Franzens Universität, Innsbruck, Imperial College London and the University of Oxford. He has been involved in the measurement and modeling of travel behavior for the past 30 years, contributing in particular to the literature on stated choice methods, micro-simulation of travel behavior, valuation of travel time and its components, activity scheduling, and travel survey data collection. His current work includes research on autonomous vehicles, car sharing, and the transportation-related effects of social networking as well as development of advanced transportation modeling methods, such as the agent-based micro-simulation toolkit MATSim (www.matsim.org).

Dr. Axhausen was chair of the International Association of Travel Behaviour Research (IATBR) and currently serves as editor-in-chief of the journal *Transportation*, the leading peer-reviewed publication in the fields of transportation planning, policy, research, and practice.

VENDREDI / FRIDAY
18 janvier 2019 /
January 18th, 2019
10h00

Salle / Room 6214
Pavillon André-Aisenstadt
Université de Montréal

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