Invitation to DAVeMoS seminar on "Travel Behaviour Change and Low Carbon Mobility"

Date: Tuesday, 20.05.2025, 13:00 to 14:30
Location: Universität für Bodenkultur, Ilse-Wallentin-Haus, Seminar room 5/ILWA 3-05 (3rd Floor)
Peter-Jordan-Straße 82, 1190 Wien & Online (via Zoom)
Zoom-Meeting https://bokuvienna.zoom.us/j/66978705886 (Meeting ID: 669 7870 5886)

Speakers

Dr. Erel Avineri is a Professor at Afeka College of Engineering, Tel-Aviv and on a short sabbatical at IIASA since April 2025. He established the MSc Program in Energy and Power Systems Engineering at Afeka and served till recently as its head. His main expertise is in the modelling of Transportation Systems, and the links between technology, behaviour and policy in the transport domain. Prof Avineri holds a B.Sc. in Industrial Engineering and Management; M.Sc. in Transportation Sciences; and Ph.D. in Transportation Sciences from Technion – Israel Institute of Technology.

Dr. Susilawati is a Senior Lecturer at the Department of Civil Engineering, Monash University Malaysia. She received Master's and PhD degrees in Transportation Engineering from the University of South Australia. Her research interests include smart and sustainable mobility through the adoption of intelligent transportation systems and connected and automated vehicle environments. She has been working on multidisciplinary projects on smart city initiatives, travel demand management, and active mobility projects.

Topics:

Professor Erel Avineri will talk about "***Travel behaviour change: Some challenges***"

Summary: The rationale for changing how people travel is justified by three main arguments: decreasing the harms to the climate, substantially improving public health, and making the urban environment safe, social and pleasant. All three arguments naturally lead to the need for less driving and more walking and cycling and increasing public transport usage. The accumulating body of research in transportation during the recent years provides a wide range of evidence related to the twin underlying propositions associated with travel behaviour change: that travel behaviour can be changed, and that indeed it does change over time – where behavioural changes are sometimes exhibited in the short range but might not sustained on the long range. A possible explanation is that the determinants of individual travel and aggregate travel behaviour do not significantly change over time. Insights from behavioural sciences might provide some explanations to this.

Dr. Susilawati will talk about "***Advancing Low-Carbon Mobility: Insights from Urban Mobility Analysis in Malaysia***"

Summary: This presentation introduces Malaysia's low carbon mobility blueprint, which outlines the nation's commitment to adopting electric mobility solutions, including micromobility. Drawing on empirical data from Kuala Lumpur and Petaling Jaya, the analysis investigates the spatio-temporal patterns of micromobility usage, identifying key trends across time and urban space. The results demonstrate the potential of micromobility to address first-mile and last-mile connectivity challenges by enhancing linkages between public transit nodes and diverse urban communities. Furthermore, the study explores how micromobility solutions contribute to broader goals of transport equity by improving access for underserved populations, alleviating urban congestion, and promoting the transition toward sustainable and inclusive mobility systems.

The event will take place in person at BOKU (see map below) but can also be accessed online via Zoom (see link on top).

Map