

Modelling and Policy Analysis Tools to Explore the Future of Autonomous and Connected Transport

WISE-ACT Training School 2019

26th – 28th March 2019

Haifa, Israel

Fully autonomous and automated vehicles are expected to be available within the next decade, which would introduce a fundamental disruption to the transportation system. The way Autonomous and Connected Transport (ACT) is developed will have major impacts on every aspect of daily life including accessibility, congestion, economy, equity, environment, labor market, logistics, residential location, safety, and wellbeing. At the same time, adverse impacts may also occur in the short-/long-term such as increased congestion or decreased air quality. Therefore, this WISE-ACT Training School aims at introducing and familiarizing participants with tools and methods to analyze potential ACT impacts during the transition period and beyond at local, national, and international levels.

This WISE-ACT Training School will include a blend of lectures by renowned academics and practical sessions through group case studies. Under the guidance of leading researchers in the field and using real urban data, trainees will have the opportunity to analyze and model key ACT challenges leading to useful planning and policy recommendations. Group work outputs will be presented on the final day to a panel including leading industry experts.

Lecturers

Prof. Constantinos Antoniou
Prof. Kay Axhausen
Prof. Konstadinos Goulias
Prof. Karel Martens
Prof. Amalia Polydoropoulou
Prof. Cristina Pronello
Prof. Yoram Shiftan
POLIS keynote speaker TBC
European Commission policy officer TBC

Trainers

Dr Joao Abreu
Dr Eran Ben-Elia
Dr Floridea di Ciommo
Dr Federico Costantini
Prof. Moshe Givoni
Prof. Sigal Kaplan
Prof. Pnina Plaut
Dr Nir Sharav
Dr Nikolas Thomopoulos

Target audience

This WISE-ACT Training School primarily targets Early Career Investigators (PhD students and Post-doc researchers with up to 8 years after receipt of their PhD) conducting research on topics related to Autonomous and Connected Transport. Additionally, we welcome applicants focusing on ACT affiliated with research organizations across Europe. Applicants from COST Inclusiveness Target Countries are particularly welcome. Applications to participate are welcome from any discipline, including transport modeling, transport policy, IT, geography, urban planning, environmental studies, social sciences and more.

Outline and outcomes

This WISE-ACT Training School will take place at the Technion – Israel Institute of Technology in the city of Haifa, Israel, offering keynote lectures in the mornings followed up by practical group-work sessions in the afternoons. Each group will focus on a sub-theme of their choice and will be guided by a trainer/lecturer to analyze and model ACT impacts using real city data.

By attending this WISE-ACT Training School you will improve your skills and capabilities about:

- The potential impacts of ACT and how to estimate them
- Methodologies to analyze and estimate the adoption and usage of AV
- Assessing ACT impacts on location choices and the movement of goods
- ACT scenario development and evaluation
- Understanding key challenges and solutions proposed by leading industries in the field

Application

Training School places are limited, so interested applicants should send the following by e-mail to info@wise-act.eu and benzvishelly@gmail.com:

- Motivation to join and expected benefits (200 words)
- CV (including current status e.g. PhD student, research topic, supervisor, institution)

Applications should be received by **27th January 2019**. Decisions will be communicated by 4th February 2019.

Grants

Up to 30 WISE-ACT COST Action grants are available to attend. Successful applicants will receive a grant of 1,000 EUR to cover part of their travel, accommodation and subsistence expenses. Based on generous COST funding there may be an opportunity to support applicants based in countries with high-cost air-fares. Such applicants should indicate this in their application requesting additional funding. According to COST regulations, the total amount of grants cannot exceed 1500 EUR in any case. Grants are available to all participants, but trainees from Inclusiveness Target Countries are particularly welcome to apply.

About the Technion

The Technion - Israel Institute of Technology is a world leading science and technology research university, dedicated to the creation of knowledge and the development of human capital and leadership since 1912. The Technion is among the top ten universities with the most Nobel prizes awarded since 2000.

Local Organizing Committee

Chair: Yoram Shiftan, Technion

Karel Martens, Technion

Pnina Plaut, Technion

Moshe Givoni, Tel-Aviv University

Eran Ben-Elia, Ben Gurion University

Sigal Kaplan, Hebrew University of Jerusalem