# Fully-funded PhD position
## Fair Transport Lab, Technion

The Fair Transport Lab at the Technion, headed by Professor Karel Martens, has a fully-funded PhD position in a project that seeks to bridge the gap between big data and transport justice.



## The Project

The PhD position is part of a project funded by the Israeli Ministry of Science and Technology. The purpose of the project is to employ data science tools in the analysis of big data on people's mobility with the purpose to identify people and population groups at risk of mobility problems. You will be cooperating with Habidatum, a leading urban analytics and tech company, which will provide processed and anonymized GPS data collected from multiple third-party apps.

The project will be led by Karel Martens, head of the Fair Transport Lab, in conjunction with co-investigator prof. Avigdor Gal from the Technion's Faculty of Industrial Engineering & Management.

The Fair Transport Lab is located within the Faculty of Architecture and Town Planning, Technion - Israel Institute of Technology, Haifa, Israel. Candidates are expected to move to Israel upon acceptance to the PhD program.

## What we Offer

We offer a fully funded PhD position for a conditional period of 42 months, consisting of 12 months proposal stage and, if successful, another 28 months to conduct the research and deliver the PhD thesis. During the entire period, the candidate is entitled to a monthly stipend of NIS 5,800, with the possibility to

receive an excellence stipend for proven research performance. In addition, you will have a modest travel budget to present your research outputs at international venues. You will be entitled to housing at the Technion's campus, which is home to a diverse student population.

## Selection criteria

We are looking for candidates who fulfill all or most of the following criteria:

- A master's degree (with thesis) in data science with an affinity for transport-related topics
- A master's degree (with thesis) in transport, urban planning, geography or an adjacent field, with a proven track record of applying data science tools and/or advanced quantitative research methods
- A passion for transport and social justice
- Experience with at least one programming language (Python, R)
- Strong academic writing skills in English
- First experiences with academic presentations and publications as evidenced through e.g., conference participation or co-authorship of papers

## Application

Please prepare a motivation letter, a CV, and the name and contact details of two people who can reflect on your skills, expertise, and past performance. Please send your application to kmartens@technion.ac.il as an attachment (in one single pdf-file) with "PhD Data Science" as subject of your email.

**Deadline for application: 14 August 2023.**