

Call for Joint Master Thesis at the Institute for Transport Studies/Human-Centered AI Lab

Working Title

Enabling Human-Centered AI in Robotics in Transport and Landscape Planning

Starting Situation / Framework Conditions

In a cross-departmental cooperation of the Human-Centered AI Lab (Prof.Holzinger, <https://human-centered.ai/>) and the Digitalisation and Automation in Transport and Mobility Systems Lab (Prof. Susilo, www.davemos.online) we are offering an exciting opportunity to dive into the world of Artificial Intelligence (AI), Machine Learning, and Robotics to solve real-world challenges in managing transport infrastructures in different urban, rural and nature landscapes. By joining our dynamic team, you'll be at the forefront of integrating AI and robotics to the future infrastructure and landscape planning.

Aim of the Master Thesis

- Demonstrate the untapped potential of robots in difficult terrains (forestry, inner city)
- Benchmark cutting-edge systems and explore intriguing use-cases.

What You Should Bring:

- A keen interest in autonomous mobile robots (e.g., BostonDynamics Spot, Bunker Mini, etc.)
- Enthusiasm for off-road navigation and maneuvering through challenging terrains.
- A passion for robot programming and excellent team collaboration skills.

Technical Requirements:

- Python programming.
- An affinity for point-cloud data and its applications.

What we offer:

- Cutting edge technologies (e.g. Boston Dynamics spot)
- Cool interdisciplinary team
- In the vibrant area of Vienna (the best living place in the world)

How to Apply:

Send your CV, cover letter, and any relevant project/portfolio links to yusak.susilo@boku.ac.at.
Apply now for this groundbreaking Master's thesis project!

Contact at the Institute for Transport Studies

- *Yusak Susilo* (yusak.susilo@boku.ac.at)

Notice

Language: English