

The University of Graz, Austria, has an open

PhD position ‘Weather effects on perception sensors’

(40 hours a week; fixed-term employment for the period of 3 years with the objective of continuation in follow-up projects)



Job definition

- Tentative PhD title: Effects of adverse weather conditions on perception sensors (lidar, radar, 3D imaging sensors) for automated systems
- Project duration: 36 months (starting as soon as possible)
- Cumulative PhD thesis including min. 3 peer-review journal publications
- Handle technical measurement equipment (perception sensors, weather station, terrestrial laser scanner, DGPS, etc.) and support the development of new technical equipment
- Plan and conduct field campaigns using perception sensors, weather stations, and additional equipment for ground-truth lidar measurements (TLS Riegl VZ-6000)
- Extract, describe, and model dominant weather effects on the measurements of perception sensors
- Investigate the potential to measure weather conditions based on perception sensors
- Cooperate with the project team consisting of both academic and industry partners
- Support proposal writing for follow-up projects

Your skills

- Required
 - o MSc degree in natural or technical sciences (or close to finish MSc degree)
 - o Experience in scientific programming (python)
 - o Ability to work in a team and conduct independent research
 - o German and English language skills
- Preferable
 - o Experience with automotive perception sensors (lidar, radar, imaging sensors)
 - o Experience with weather sensors, meteorology
 - o Experience with modelling, machine learning, data pipelines
 - o Background in (geo)physics or similar

Our offer

- Classification in University collective agreement: B1
- Salary: EUR 2971.50 gross/month
- Chance to establish a strong network in both academia and industry
- Innovative work environment with consideration of work-life balance

Application Deadline: 7 November 2021

If you are interested, please submit your application documents (motivation letter, CV, diplomas, transcript of records) in a single PDF with reference ‘PhD position - Weather effects on perception sensors’ before the stated deadline to: stefan.muckenhuber@uni-graz.at

We particularly encourage qualified women to apply for this position.

For further information on the job advertisement, please contact Stefan Muckenhuber (stefan.muckenhuber@uni-graz.at).