



The Institute for Mathematics and Scientific Computing of the University of Graz is offering a

PhD Position in Reinforcement Learning

(30 hours a week; fixed-term employment for the period of 3 years; position to be filled as of March 1st 2019)

Research Topic:

Calibration and validation of self-learning system controllers

The aim of the research project is to use state of the art machine learning techniques, specifically reinforcement learning, to implement system controllers for hybrid drivetrains in future passenger cars.

The research is carried out in close collaboration with AVL LIST GmbH (<https://www.avl.com>) and is supported by Forschungsvereinigung Verbrennungskraftmaschinen e.V. (FVV) (<https://www.fvv-net.de>).

Candidate Profile:

- Outstanding master thesis in mathematics, computer science, or a related field
- Background in machine learning, reinforcement learning and optimal control
- Programming skills (Python, C++) and familiarity with machine learning frameworks (Tensorflow, Keras)
- Excellent communication skills in English

Salary: The salary follows the doctoral candidates rates of to Austrian Science Fund (FWF) (<https://www.fwf.ac.at/en/research-funding/personnel-costs/>).

Application Deadline: January 15th 2019

Please include

- a CV and list of publications
- a detailed research statement: Why do you think you are an excellent candidate?
- any additional material showing your mathematical excellence, computational skills, and creativity
- name and full contact address of one individual that is willing to write a letter of reference for you.

Contact:

If you are interested, please submit your application documents before the stated deadline to:

Univ.-Ass. Mag.rer.nat. Dr.rer.nat. Manfred Liebmann (manfred.liebmann@uni-graz.at)

Univ.-Ass. Mag.rer.nat. Dr.rer.nat. Manfred Liebmann
Institute for Mathematics and Scientific Computing

Heinrichstraße 36, 8010 Graz, Austria
Phone: +43 (0) 316 / 380-5730
E-Mail: manfred.liebmann@uni-graz.at