Institute of Fundamentals and Theory in Electrical Engineering, Graz University of Technology
Inffeldgasse 18/I, 8010 Graz, Austria

3 Student Project Employees

The employment can be **combined with different theses or projects** (e.g., bachelor thesis, TI project, master project, master thesis)! (Payment according to Uni-KV, Verw.Gr. C)

If you are interested in one or several positions, please send a short email to stefan.schoder@tugraz.at . **by 2023-02-10. We are looking forward to hearing from you!**

Implementation of numerical methods in the field of acoustics: Stud. PMA (10h-20h/W.)

Tasks: Extension of the Finite Element code openCFS and development of pre- and postprocessing tools

Requirements:

- Basic knowledge of C++
- Programming experience in Python, or Matlab
- Recommended: ideally knowledge in the field of acoustics

We offer:

- Payment according to Uni-KV, Verw.Gr. C
- Possibility to complete bachelor/project/master thesis
- Possibility to publish scientific papers and to participate in professional conferences
- Flexible time management and working conditions

Physics-Based Machine Learning: Stud. PMA (10h-20h/W.)

Tasks: Collaborate on an auto-differentiable finite element code in Julia

Requirements:

- Interest in Julia
- Programming experience in Python, or Matlab
- Recommended: ideally knowledge in numerics

We offer:

- Payment according to Uni-KV, Verw.Gr. C
- Possibility to complete bachelor/project/master thesis
- Possibility to publish scientific papers and to participate in professional conferences
- Flexible time management and working conditions

Physics-Based Machine Learning : Stud. PMA (10h-20h/W.)

Tasks: Develop a pre/post-processing tool for finite element simulations / PINNs / openCFS in Julia

Requirements:

- Interest in Julia
- Programming experience in Python, or Matlab

We offer:

- Payment according to Uni-KV, Verw.Gr. C
- Possibility to complete bachelor/project/master thesis
- Possibility to publish scientific papers and to participate in professional conferences
- Flexible time management and working conditions

We pursue to increase the proportion of female and non-binary employees.
Thus, we explicitly encourage persons of non-male gender to submit their application.