The Institute of Applied Mathematics at Graz University of Technology offers a position as a

**Research Assistant (f/m/d)**

working in the FWF project 32911 entitled „*Multiphysical Shape Optimization of Electrical Machines“* (principal investigator: Dr. Peter Gangl). The project is carried out in collaboration with the national research partner Asst. Prof. Kevin Sturm (TU Wien).

The position can be filled by either a PhD student (75% position for a duration of 3.5 years) or a post-doctoral researcher (100% position for a duration of 2 years). A master-equivalent degree or a Ph.D. degree in mathematics or a closely related field is required. The working language is English. The preferred starting date is July 2020, but a later start is also possible.

The successful candidate will be working on efficient numerical methods for the simulation and shape optimization of a transient multiphysical problem as it occurs in an electrical machine. A strong background in numerical methods for PDEs is required, programming skills are expected and knowledge of (shape) optimization is beneficial. The yearly gross salary is 30.878,40€ before taxes for the PhD position (30 hours/week) and 54.453€ before taxes for the post-doctoral position (40 hours/week).

Inquiries and applications (including at least a cover letter, CV, certificates of academic degrees and references for possible recommendation letters) should be directed by e-mail to

Peter Gangl, gangl@math.tugraz.at

by May 15, 2020. Late applications will be considered until the position is filled.