The first ever German-Austrian Collaborative Research Centre (CRC) “Computational Electric Machine Laboratory” will announce in the near future

23 Research Assistant/PhD positions (all genders)

This CRC connects three interdisciplinary and internationally renowned research groups in computational engineering, at Technical University Darmstadt, in Germany, and at Graz University of Technology and Johannes Kepler University Linz, in Austria. The close cooperation of the partners fosters interdisciplinary collaborations and guarantees the candidates excellent future career opportunities in research and industry.

Each position is associated to one of the following research areas

- Electromagnetism
- Fluid Mechanics
- Numerics
- Optimisation

This CRC offers:

- First-class PhD training in the fields of computational engineering
- Fully funded positions for 4 years (part-time possible)
- The chance to conduct high level research projects in a vivid academic network and a great working environment. Information concerning the research projects may be found at www.trr361.de/projects.
- A unique opportunity to link fundamental research with application-oriented aspects
- Excellent career opportunities
- Funding for visits of summer schools, conferences and international mobility to partner

Candidate profile and requirements:

Applicants must hold a completed master’s degree in (computational, computer, electrical, information, mechanical or software) engineering, (computer, information or material) science, (applied or engineering) mathematics or a related field of study. Students who have not yet finished their masters' degree can apply but must graduate before their appointment. Eligible are persons with a diploma degree (240 ECTS) or a bachelor’s degree (180 ECTS) and a master's degree with at least 90 ECTS (in total 270 ECTS).

We expect candidates to have interest (and, ideally, prior experience with) in all fields of the above-mentioned topics. Interest in mathematics and engineering, as well as hands-on experience with programming or experimental work in laboratories is expected.

Good candidates have:

- Solid programming skills (e.g. C, Python, Matlab);
- Very good proficiency in written and spoken English, which is the language of the research group and of external collaborators (knowledge of German is not required, and we offer German language courses);
- High motivation, self-initiative, as well as strong passion and commitment to research;
• Ability to work collaboratively in an interdisciplinary and international team with both senior and junior researchers;
• Willingness to publish research results and to complete a dissertation (in the case of PhD students);
• Very good knowledge in the field of the chosen project, e.g. on electrical machines, fluid mechanics, computer aided design, finite elements, functional analysis or optimization.

We offer a minimum annual gross salary based on full-time of € 42.820,40, overpayment possible depending on qualification and experience. Graz University of Technology actively promotes diversity and equal opportunities. People with disabilities and who have the relevant qualifications are expressly invited to apply.

Please note that the specific job profiles and working conditions may be published separately on the job portals of the participating universities. Please visit the CRC website www.trr361.de/jobs for more information.

General inquiries (questions, contact information, documents etc.) may be sent to jobs@ce.tu-darmstadt.de.