

The Polymer Competence Center Leoben GmbH (PCCL) is the leading Austrian center for cooperative research in the field of polymer technology and polymer science. In collaboration with companies in the polymer industry and numerous academic institutions, our around 100 highly-qualified employees jointly work in R&D projects on innovative polymer solutions for a wide range of applications, including the whole rubber composite process chain from the materials design, over processing to material characterization. We currently aim to strengthen our team and offer a

Researcher position (f/m/x) in the field of
“Investigation of the rubber injection molding process and
its impact on part performance”
(Job-ID: 20240507)

Tasks

- Investigation and optimization of the rubber injection molding process
- Process modelling, simulation, and analysis of complex contexts
- Experiments and analyses of part quality with different test methods like compression set, dynamical testing, chemical methods, and fracture mechanics-based approaches
- Self-reliant elaboration of the project goals and responsibility for highly self-organized scientific work
- Communication of research results to scientific community & to industrial partners (e.g. journal papers, conference proceedings, project meetings)
- Support of bachelor- and master students

Required skills

- University degree (Dipl.-Ing., MSc. or similar) in technical or natural sciences
- Experience in the field of polymer processing (mandatory), such as injection molding or extrusion of polymeric materials
- Experiences on rubber materials and rubber processing is advantageous
- Willingness to learn programming language (e.g. MATLAB, Java, C++)
- Personal initiative, skills for self-organization and teamwork, effective communication skills with the ability to collaborate with partner companies and other researchers
- Open mindedness for innovative solutions paired with interdisciplinary thinking is helpful
- Good written and verbal communication skills are required (English is mandatory, German is advantageous)

We offer

- Collaboration in a highly-motivated multi-disciplinary team with excellent contacts to industry as well as to national and international research organizations
- Gross income € 3579,- (for a classification as a PhD candidate; full-time employment, 14 times a year)
- Flexible working conditions
- Possibility to perform a PhD thesis
- Start of employment – as soon as possible
- We aim to increase the number of women in our organization and would be happy to fill this position with a female researcher
- We value diversity and therefore welcome all applications - regardless of gender, identity, nationality, ethnic and social origin, religion/belief, disability, age or similar

Contact

Please send your application (motivation letter, CV) along with copies of your certificates and diplomas to jobs@pccl.at, indicating the Job-ID 20240507.