

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. Together with the Montanuniversitaet Leoben, we are focusing on simulation and optimization of polymer processing in the context of Industry 4.0. Therefore, we currently aim to strengthen our team and offer a

Researcher position in the field of „Investigation of the injection molding process” (Job-ID: 20180215A)

Tasks:

- Investigation and optimization of the whole rubber injection molding process
- Process modeling & simulation (e.g. SIGMASOFT®) and analyses of complex contexts
- Experiments and analyses of part quality with different test methods like compression set, dynamical testing, tensile tests
- 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)
- Support of bachelor- and master students

Required skills:

- University degree (Dipl.-Ing., MSc. or Mag.) in technical or natural sciences (finished or shortly before completion)
- Profound knowledge 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
- Knowledge of or willingness to learn a programming language (e.g. MATLAB, Java, C++)
- Personal initiative, skills for self-organization and teamwork, effective communication skills with the ability to interface with partner companies and other researchers
- B2, C1, or C2 language skills in English and/or German (mandatory)

We offer:

- Collaboration in a highly-motivated multi-disciplinary team with excellent contacts to industry as well as to national and international research organizations
- Flexible working conditions
- Possibility to perform a PhD thesis (at the Montanuniversitaet Leoben)
- Gross income € 2.840,- (for a classification as a PhD candidate; full-time employment, 14 times a year)
- Start of employment negotiable, as soon as possible

Contact:

Please send your application (motivation letter, CV) along with copies of your certificates and diplomas to jobs@pccl.at, indicating the Job-ID 20180215A.