

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 120 highly-qualified employees jointly work in R&D projects on innovative polymer solutions for a wide range of applications. By linking scientific knowledge to the industrial need for innovation PCCL contributes to the competitiveness of its industrial partners who cooperate on the basis of medium- and long-term R&D-projects with the PCCL. We currently aim to strengthen our team and offer a

Master thesis in the field of „Fatigue behavior of soft materials” (JobID: 20210122)

Project description:

Soft materials offer a wide range of applications covering the medical field as well as modern car headlights. Regardless their application, one of the most important properties to consider in the design phase is fatigue. This project aims at the determination of the fatigue behavior of several filled rubber compounds through various fracture mechanical approaches. The crack growth characteristics will be determined in order to rank material compositions and enable a better fatigue behavior.

Your Profile:

- ✓ Master students of polymer engineering, mechanical engineering or equivalent
- ✓ Knowledge in material sciences and fracture mechanics
- ✓ Experienced in material testing is advantageous
- ✓ Personal initiative, good organizational skills (time management) and ability to work in a team

We offer:

- ✓ A successful company in the center of Leoben (easily accessible by public transport), in which a team-oriented corporate culture is practiced
- ✓ A dynamic environment in which you can contribute your strengths and a friendly team that is looking forward to your support.
- ✓ An innovative environment with contacts to well-known companies and universities
- ✓ A part-time position (20 hours/week) with flexible working hours for 4 months.
- ✓ The gross monthly salary is € 978.-
- ✓ Start of employment: Immediately

Application:

Please send your application until **28th of February 2021** along with copies of your certificates and diplomas to jobs@pccl.at, indicating the **JobID 20210122**. The following information has to be attached, preferable as one PDF file:

- ✓ **Letter of motivation** for the position(s) of interest
- ✓ **CV** (up to 2 pages)