

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

## **Student assistant in the field of „Improving toughness of 3D printed polymer parts“ (JOB ID 20210528)**

### **Tasks**

- Development of photo-curable and 3D-printable resin formulations
- Screening of various additives and their influence on mechanical and thermal properties of 3D printed parts
- Characterization of cure kinetics and viscosity of developed resin formulations
- Parameter development for 3D-printing by digital light processing (DLP)
- Printing trials using a dual-wavelength DLP 3D-printer
- Interpretation of data

### **Required skills**

- Knowledge in polymer chemistry, organic chemistry, polymer engineering and science or related disciplines
- Experience in working in a lab environment
- Structured and independent way of working
- Experience in additive manufacturing (DLP, SLS) preferred
- Personal initiative, good organizational skills and ability to work in a multi-disciplinary team
- Good communication skills in English; basic skills in German are 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
- A part-time position (20 hours/week) with flexible working hours for 2 months.
- Gross salary of € 978,-
- Earliest start of employment – 01.07.2021

### **Contact**

Please send your application (motivation letter, CV) along with copies of your certificates and diplomas to [jobs@pccl.at](mailto:jobs@pccl.at), indicating the Job-ID 20210528.