

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 „Development of electrically conductive and photo-curable resins“ (JOB ID 20210611)

Tasks

- Development of epoxy-based UV-curable resin formulations
- Formulation and implementation of selected photoinitiators and sensitizers
- Formulation and homogeneous implementation of conductive fillers (metallic particles, graphene, CNT) and metal precursors
- Sample preparation (spin casting, doctor blading, molding) of filled resin formulations
- Spectroscopic and rheological characterization of the curing reaction and network formation
- Parameter development for 3D-printing by digital light processing (DLP)
- Printing trials on commercial DLP printers

Required skills

- Profound 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 4 months.
- Gross salary of € 978,-
- Start of employment: immediately

Contact

Please send your application (motivation letter, CV) along with copies of your certificates and diplomas to jobs@pccl.at, indicating the Job-ID **20210611**.