
JKU (Institute of Polymeric Materials and Testing) offers a student worker/master thesis topic within its collaboration with the Competence Center CHASE GmbH (up to 6 months 8 – 12 h/week)

“Review of relevant standards for representative sampling and quality control of post-consumer waste”

Tasks:

- Conducting research on the status of the recycling of post-consumer waste in Europe and the DACH area, incl. regulations, procedures, requirements etc.
- Conducting research on the current status of the specifications and the certificates of the recycling process chain of post-consumer waste
- Review and evaluate the different procedures recommended by different standardization organizations (e.g., ISO, ASTM, DIN)
- Evaluation of the specification sheets introduced by different industrial suppliers
- Based on the research results, introduce a fundamental framework for the quality assurance of PO waste and their end products
- Collaboration with the other team members
- Reporting the results of the research as well as the experimental study in scientific forms (e.g., presentations, master thesis, journal papers etc.)

Required skills:

- Bachelor's degree in polymer engineering, industrial engineering, circular economy or similar fields of study and/or currently enrolled in a relevant master's degree program
- Good knowledge in polymer technologies and science as well as familiarity in plastic recycling are advantageous
- Previous work experience in laboratories and familiarity with material testing are advantageous
- High interest in sustainable development and the recycling of plastic waste
- Personal initiative, self-organized, team worker, analytical thinking, and effective communication skills
- Very good English language skills, both writing and speaking

What we offer:

- Collaboration in a highly motivated interdisciplinary team with excellent contacts to industry in the field of polymer processing and recycling of plastic waste
- Hands-on training on different laboratory equipment, if needed
- Perform a master thesis
- Flexible working hours
- Starting date: **ASAP**

Contact:

For further information about the position please contact DI Hassan Akhras, Research Engineer CHASE (E-mail: hassan.akhras@chasecenter.at).

If you are interested in the above-mentioned tasks, we look forward to hearing from you. Applications including the job title and the applicant's documents (i.e., CV, motivation letter) can be sent to Assoc. Prof. DI Dr. mont. Jörg Fischer (joerg.fischer@jku.at).