

Students (m/f/d) for an internship semester in the Project TOP (Technology Optimized Packaging)

WHO WE ARE

KLEVERTEC is a research institute of the Kempten University of Applied Sciences. By networking technologies and companies of different industries and sizes, we extend the shelf life of food. In the three process fields of production, filling and packaging, we conduct application-oriented research and development and focus here on the problems of our industrial customers and clients.

WHAT THE TOP PROJECT IS

The TOP project is concerned with optimizing the machine runability (interaction between machine and packaging material) of plastic films or other web-shaped flat molded goods, such as paper composites. This is intended to prevent errors later in the packaging process, thereby increasing efficiency and saving resources. A test rig was designed to determine the relevant parameters influencing machine runability under real test conditions. In addition to the test rig, a digital twin (physical simulation model) and an AI solution are being worked on in parallel in order to be able to process and use measurement data accordingly. Which of these two approaches, digital twin or AI model, is better suited to this problem or whether a combination of both approaches is most effective will become clear in the course of the project. Essential here is not only "what" happens, but also "why" something happens. Therefore, the packaging materials and their specific properties must also be comprehensively investigated by laboratory analyses.

WHAT YOU CAN EXPECT

- Fields of application individually tailored to your strengths and interests
- Execution of experiments incl. planning, evaluation and documentation
- Support in interdisciplinary subprojects
- Expansion of your knowledge and skills through practical activities in the research environment

WHAT WE OFFER

- A young, dynamic team
- Modern working environment with up-to-date technical equipment
- Independent work in an interdisciplinary team
- Flexible working hours

WHAT MAKES YOU

- Student in a STEM field
- Curiosity and interest in tricky tasks
- High level of initiative and independent working style
- Strong communication skills and open-mindedness

Have we piqued your interest? Then send us an application to:

info@klevertec.de

We are looking forward to hearing from you!

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