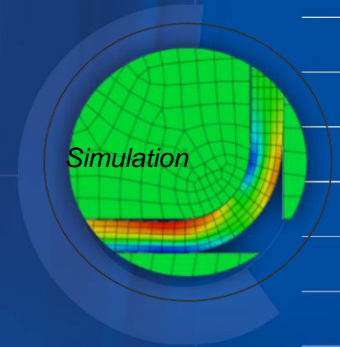


PhD position

Reference No.: MCL_219

Materials Center Leoben (MCL) supports numerous companies in the production sector developing high-performance materials, manufacturing processes and products. MCL designs specific computer-aided technologies in order to accelerate innovation processes in manufacturing companies as well as to support the digitalization of the value chain and products. Our portfolio includes cooperative research and development projects with international and national partners from the production and research sectors as well as several consulting, laboratory and simulation services in materials science.



Reduce vibration in saw blades

These topics inspire you or you are already familiar with them?

What are we looking for ...

- Academic degree (master equivalent) preferably physics, materials science or mechanical engineering
- Knowledge in finite element modelling and programming languages
- Interest and experience in experimental techniques
- Scientific curiosity, team skills, self-initiative
- Good oral and written communication skills in English

Your challenge ...

- 3D simulation of roll tenoning process
- Rotordynamics analysis of pre-tensioned saw blades with slots
- Development of a cutting process monitoring system
- Create an expert system for saw blade design
- Development/Modification of new/standard models and methods for material degradation
- Presentation of results at international conferences
- Writing of scientific articles for peer reviewed journals

Our offer

An employment with immediate start and a gross monthly salary of € 3.058,45.

*Please send your complete application documents by email.
We are looking forward to knowing you!*

bewerbung@mcl.at

