

Materials Center Leoben (MCL) - with a staff of 180 highly specialized employees - 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. MCL's 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.

To strengthen our team, we are looking for someone with the following qualifications and responsibilities:

PhD position

Development of novel material characterization and evaluation techniques for XRD based methods

Reference-n.: MCL_204

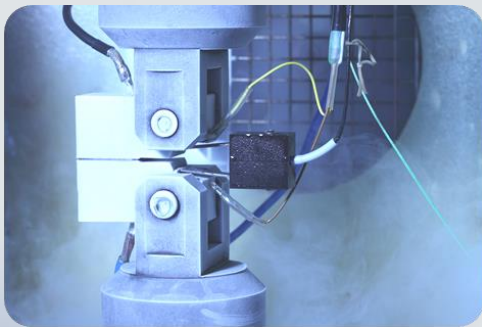
Determination of short range ordering effects and residual stress distributions using X-ray diffraction

These topics inspire you or you are already familiar with them? Then you are the right person for this position!

What are we looking for?

- *Masters degree in materials science, physics or similar studies*
- *Interest and experience in experimental techniques and materials science*
- *Knowledge in programming languages (Python and/or Matlab)*
- *Scientific curiosity, team skills, self-initiative*
- *Good oral and written communication skills in English*

We work in close cooperation with well-known scientific and company partners worldwide!



Your tasks?

- Development and implementation of novel material characterization techniques using XRD
- Evaluation and interpretation of experimental data regarding short range ordering effects and 2D/3D residual stress distributions
- Presentation of results on international conferences and project meetings
- Writing of scientific articles for peer reviewed journals

Our offer:

An employment contract with start from January 1st 2022 and a gross monthly salary of € 2.971,39 (14 times per year).

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

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