

Materials Center Leoben Forschung GmbH (MCL) is an internationally active research institution specializing in materials research. The field of activity of MCL includes on the one hand the implementation of research and development projects along the whole product value chain (materials design, materials processing and materials use in innovative products) and on the other hand materialbased services (laboratory, computational and advisory services).

To strengthen our team, we are looking for someone with the following area of responsibility or requirement profile:

## ***Researcher metal machining – Sensor Data Analytics – Condition Monitoring***

*Reference-n°.: MCL\_142*

### **Cutting processes - Milling damage - Real time milling process control**

*These topics inspire you or are already familiar to you? Then you are right the person for our team!*

#### What do we need?

- Academic degree (master or PhD equivalent) e.g. in physics, mathematics, material science, etc.
- Knowledge in programming languages e.g. Python & libraries such as numpy, scikit-learn, pandas, matplotlib, seaborn, ...
- Scientific curiosity, team skills, self-initiative
- Good oral and written communication skills in English

#### **“Cutting edge science” projects in milling technology and tool damage**



#### Your challenges?

- Be a project team member dealing with data acquisition from instrumented milling processes, data quality and exploratory data analytics.
- Model-based condition monitoring for milling.
- Contributions to / preparing of scientific publications to enhance the knowledge on tool failure.
- Help us to make milling processes more intelligent and robust!

We are looking forward to your contribution!

#### Our offer:

A permanent employment, with an immediate start and a (min.) gross monthly salary of € 2.900,--.  
Overpayment dependent on your professional qualification and experience possible.

Please send your application documents by post or email. We would be pleased to get to know you!

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