

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:

PhD Position

Structure Learning in Hybrid Semiparametric Models

Reference-n°.: MCL_137

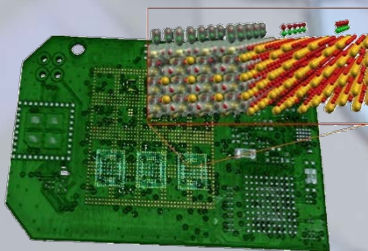
Condition Monitoring – Inverse Problems – Hybrid Models

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

What do we need?

- *Academic degree (master equivalent) preferably physics or mathematics*
- *Experience with inverse problems*
- *Working knowledge of programming in Python*
- *Knowledge in machine learning and related frameworks like Tensorflow*
- *Scientific curiosity, team skills, self-initiative*
- *Good oral and written communication skills in English*

We are working worldwide in strong cooperation with well-known scientific- and company partners!



Your tasks?

- *Help solving real-world inverse problems*
- *Explore the effective combination of physical and data-driven inverse sub-models*
- *Validation of simulation framework by experimental data*
- *Presentation of results at international conferences*
- *Writing of scientific articles for peer reviewed journals*

Our offer:

A permanent employment, with an immediate start and a gross monthly salary of € 2,794.60. Overpayment dependent on your professional qualification and experience possible.

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

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