

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:

Master-Thesis

Thermal evaluation and failure analysis of power packages

Reference-n°.: MCL_136

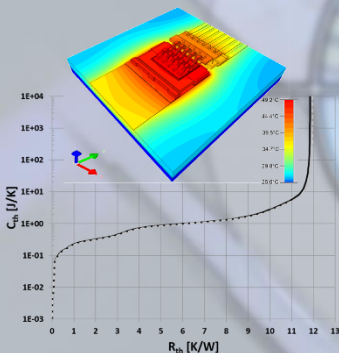
Validated compact thermal models for root-cause analysis

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

What do we need?

- *Education in one of the following fields: Materials Science, Materials Engineering, Physics*
- *Knowledge/Language skills: German/English*
- *Scientific curiosity, self-initiative, learning ability, communications skills, teamwork capability*

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



Your tasks?

- *Thermal impedance measurements and thermal simulation featuring time dependent heat path analysis of power packages on system level*
- *Buildup of thermal validation models from heat source to heat sink*
- *Failure cause and effect analysis of power packages under service conditions*

Our offer:

An employee relationship with supervision by Dr. Julien Magnien, starting from 02.2019 and an expense allowance of € 3,000.00 net for 6 months.

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

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