

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 Thesis

Finite Element modeling of the damage evolution and self-healing of novel solders interconnects

Reference-n°.: MCL_120

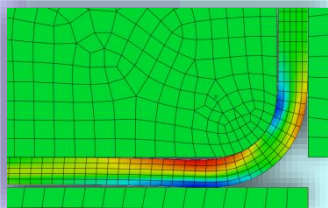
Damage and fracture mechanics – Self-healing materials – Bonding technology

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?

- Academic degree (master equivalent) preferably material science, physics or mechanical engineering
- Pre-knowledge in programming required and it is beneficial in Finite Element modeling or Thermodynamics
- 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?

- Modeling of the material degradation of solder interconnects during service
- Modeling of the self-healing effect
- Validation of the simulation models
- Presenting the work at conferences and writing of scientific articles for peer reviewed journals

Our offer:

A permanent employment, starting with 01.03.2018 and a gross monthly salary of € 2.794,60

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

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