**PhD position**

*Evaluation of the long-term reliability of high-speed turnouts*

*Reference-n.: MCL_186*

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**Wheel/rail contact – Fracture mechanics - Experiments**

*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 physics, materials science or mathematics
- Knowledge in programming languages and interest and experience in finite-element-methods
- Interest and experience in experimental techniques
- Scientific curiosity, team skills, self-initiative, organizational skills
- Good oral and written communication skills in English

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

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**Your tasks?**

- Organization of experiments
- Finite-element-simulations of the wheel-rail contact
- Develop a reliability assessment concept
- Presentation of results at international conferences
- Writing of scientific articles for peer reviewed journals

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**Our offer:**

A permanent employment, with an immediate start and a gross monthly salary of € 2,928.92.

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

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