

CAN I COMBINE SCIENCE AND BUSINESS IN A SINGLE JOB?

YES.

We'll show you how at Fraunhofer.

THE FRAUNHOFER INSTITUTE FOR NONDESTRUCTIVE TESTING IZFP IN SAARBRÜCKEN OFFERS, TO BE FILLED IMMEDIATELY, AN EXCITING POSITION IN THE DEPARTMENT "MATERIALS CHARACTERIZATION" FOR AN

INTERNSHIP FOLLOWED BY A BACHELOR OR MASTER THESIS IN THE FIELD OF MATERIALS CHARACTERIZATION OF METAL-COMPOSITE HYBRID STRUCTURES

The Fraunhofer Institute for Nondestructive Testing IZFP in Saarbrücken is one out of 72 institutes of the Fraunhofer-Gesellschaft, which is one of the leading organizations for applied research in Europe. With our 124 employees, we are one of the most renowned institutes in the field of nondestructive testing (NDT). As a research center and industrial partner, the institute deals with physical methods of nondestructive testing, materials characterization, control and monitoring of manufacturing processes as well as condition assessment of existing infrastructure.

Dedicated applicants are offered demanding tasks with responsibility and freedom of work organization.

What we expect from you

- Ongoing Bachelor (late-stage) or Master study in the field of materials science and engineering, mechanical engineering, physics, electrical engineering or a similar discipline
- Good knowledge in metallic materials and/or polymer-based composites
- First experience in materials testing is an advantage.
- Fluent in English and/or French is mandatory.
- Willingness to spend at least 60 days at the École Mines-Télécom IMT Lille Douai (France)
- Knowledge of Microsoft Office and a simulation software (e.g. COMSOL Multiphysics)
- Self-reliant and structured way of working

Your tasks

- Preparation and performance of measurements on hybrid structures using different NDT methods (e.g. ultrasound, electromagnetic methods, and thermography)
- Evaluation and interpretation of the recorded data with respect to residual stress analysis
- Literature research
- Contributions to (peer-reviewed) publications

What you can expect from us

- Individual supervisor who will support you to seriously engage in and further your knowledge of nondestructive stress measurements in hybrid structures
- Possibility to spend at least 60 days at the École Mines-Télécom IMT Lille Douai (France) in an ERASMUS funded program
- Ideal conditions for practical experience complementary to your studies
- Collaboration in a dedicated team

If you are looking for a versatile and challenging job in a future-oriented company besides your studies, we would like to get to know you. We are looking forward to your meaningful application stating your current semester and your availability.

Contact:

Please send your application including all relevant documents (CV, letter of motivation, transcript of records, etc.) via email to:

Dr.-Ing. Meisam Amiri
meisam.amiri@izfp.fraunhofer.de

Alternatively to:

Dr. rer. nat. Ines Veile
ines.veile@izfp.fraunhofer.de