

CAN I COMBINE SCIENCE AND BUSINESS IN A SINGLE JOB?

YES.

We'll show you how at Fraunhofer.

FOR THE **DEVELOPMENT CENTER X-RAY TECHNOLOGY EZRT** IN **FÜRTH**, THE
FRAUNHOFER INSTITUTE FOR INTEGRATED CIRCUITS IIS IS CURRENTLY SEEKING

**MASTER THESIS STUDENT FOR THE TOPIC:
SERVICE INNOVATION AND BUSINESS MODELS
FOR THE APPLICATION OF NON DESTRUCTIVE
EVALUATION (NDE)**

The Fraunhofer Development Center X-ray Technology EZRT deals with the industrial application of X-ray technology, optics and magnetic resonance:

<https://www.iis.fraunhofer.de/de/ff/zfp.html>.

In projects with well-known industrial partners, products and objects of all kinds (such as cars, castings in production, cereal plants, etc.) are scanned and precisely recorded.

Abstract:

The data collected by these methods are applied to different industries and issues, such as crash tests, quality of materials or the optimization of properties.

The data is collected so far mainly on behalf of industrial companies and is, in particular, technically exploited, i.e. mostly for the purpose of product optimization. The application of the collected data for the design and optimization of business models or accompanying services is not yet in focus.

In the context of a master's thesis practical approaches are to be examined, whether and how the technically collected data are also suitable for the development of accompanying services and business models and how the further use of the data as information can be made possible.

What we expect from you

- Master thesis student with both business administration and technical background or interest (e. g. business engineers, business informatics)

What you can expect from us

- An open and cooperative working environment
- Collaboration in interesting and innovative projects
- Many opportunities to gain practical experience

The duration for the thesis should be at least 6 months and it can be started from September 1, 2019.

The topic will be assigned and carried out in accordance with the rules of the Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU). For this reason, please discuss the topic with Prof. Angela Roth (WISO) who can advise you over the course of the project:

angela.roth@fau.de

Interested?

Applications are possible in German and English. Please include a cover letter, your CV and your latest transcripts of records (as PDF). Please address your application to Prof. Angela Roth (WISO). Your supervisor at Fraunhofer EZRT will be Dr. Norman Uhlmann.

For more information about the institute and its products and services, please visit:

www.iis.fraunhofer.de/en