

IS JUGGLING MILLIONS POSSIBLE?

**YES.**

We'll show you how at Fraunhofer.

ARE YOU CONFIDENT AND EXPERIENCED IN HANDLING DATA? DO YOU SEE DIGITAL VALUE CREATION AS BOTH A CHALLENGE AND AN OPPORTUNITY? AT THE FRAUNHOFER IVI, WE CAN OFFER YOU AN INTERESTING POSITION AS

---

## **RESEARCH FELLOW**

### IN DRESDEN

---

Due to the increasing cross-sector digitalization of value chains, more and more enterprises are currently undergoing a transformation. As a consequence, the market requires new technologies, processes and methods in order to successfully complete the transformation to the new world.

Within the research group »Digital Business Processes«, you will develop software technologies that accompany enterprises and institutions on their way to the digital information age. You will design high-performance big data applications and solve complex problems. You will have the opportunity to work on your topics independently and to take on responsibility for analytic project modules.

#### **What we expect from you**

- University degree in a subject with a theoretical or quantitative focus (applied mathematics, computer science, information technology, physics or related subjects)
- Sound knowledge of big data tools (Hadoop, HBase, Yarn, Spark, Flink) and technologies (natural language processing, machine learning, data/text mining), knowledge of neuronal deep learning approaches (TensorFlow/ Theano/ Deeplearning4j) desirable
- Expert knowledge of at least one object-oriented programming language (C++, C#, Java, Python), basic knowledge of statistical tools (R, SPSS) desirable
- Experience in working with data base systems (SQL, noSQL, Graph DB)
- Good skills in the creation of MVPs (minimum viable products) via rapid prototyping
- Excellent language skills in English and German
- Commitment and self-confidence

**What you can expect from us**

- Freedom regarding the use of tools and programming languages
- Agility within the triad of meaning, autonomy and capability
- Motivated teams in an open working atmosphere
- Multi-faceted and practical projects
- A modern big data research infrastructure
- Flexible working hours
- Institute childcare and parent-child office

Fraunhofer is Europe's largest application-oriented research organization. Our research efforts are geared entirely to people's needs: health, security, communication, energy and the environment. We are creative. We shape technology. We design products. We improve methods and techniques. We open up new vistas.

The Fraunhofer Institute for Transportation and Infrastructure Systems IVI in Dresden employs more than 100 research fellows in four departments and collaborates closely with the TU Dresden and the TU Bergakademie Freiberg.

For further information, please contact Mrs. Susann Störmer via +49 351 4640-683. Please send your electronic application including all relevant documents and referring to the job reference no. to

Susann Störmer:

[bewerbung@ivi.fraunhofer.de](mailto:bewerbung@ivi.fraunhofer.de).

Appointment, remuneration and social security benefits based on the public-sector collective wage agreement (TVöD).

In case of identical qualifications, preference will be given to severely disabled candidates.

The Fraunhofer-Gesellschaft is committed to providing equal career opportunities for men and women.

**Job reference no.: IVI-2017-28**