FAU FRIEDRICH-ALEXANDER
UNIVERSITÄT
ERLANGEN-NÜRNBERG

FACHBEREICH WIRTSCHAFTS-
WISSENSCHAFTEN

CHAIR OF
DIGITAL INDUSTRIAL
SERVICE SYSTEMS
PROF. DR. MARTIN MATZNER

WE ARE HIRING

RESEARCHER (100%, FTE)

Process Mining and/or Business Process Automation

OUR PROFILE

The chair of DIGITAL INDUSTRIAL SERVICE SYSTEMS, headed by Prof. Dr. Martin Matzner, is part of the Institute of Information Systems at the Friedrich-Alexander Universität Nürnberg-Erlangen. We design methods and tools for the development and operation of information technology-based service systems, particularly for the industry. In this field, we use techniques of business process management and information modelling. The results achieved, directly contribute to solving business issues and societal challenges.

YOUR RESPONSIBILITIES

Your research focus is directed to the area of business process management. In particular, you investigate the analytical part of BPM based on event data – commonly referred to as *process mining*. Within this context, you develop methods, techniques, algorithms that help organizations to improve their processes based on insights yielded from their data – you make "the data speak". Furthermore, to act on the insights we deal with the topic of *business process automation*, i. e. how organizations can automate process activities for increased efficiency, which is gaining increased attention in the course of digitalization.
To sum up, you will be developing innovative frameworks, methods and tools for supporting business processes. Amongst others, you will for example support our efforts in creating a prediction approach for business processes usable for fraud detection or optimized logistics planning.

We are looking for a highly motivated candidate that is driving his work independently. You work will focus on contributing to the research projects of our chair. We expect that you present and publish your work at national and international conferences and journals. Furthermore, research visits at our international partners can be made possible. Last but not least, you have to support us with the teaching and administrative duties at the chair.

YOUR PROFILE

- ☑ You have an University degree (Master or equivalent) in information systems or a related discipline and you are looking for a PhD position
- ☑ You have a genuine interest (or experience) in Process Mining and/or Business Process Automation
- ☑ You have knowledge about the application of design-science-oriented, quantitative or qualitative research methods
- ☑ You are interested in working together with partners from industry and academics to solve real-world problems
- ☑ You have excellent communication skills in English and ideally also German
- ☑ You have (first) experience in a programming language like Java, Python or similar

The chair offers a modern working and research environment and financial support for attending conferences. The salary corresponds to the German pay scale (100 % / TV-L E13). The appointment is initially limited to a period of three years and can be extended. In order to increase the proportion of female staff members, applications from female researchers are particularly encouraged. Preference will be given to disabled persons with the same qualification.

CONTACT

For questions regarding the position and our chair please refer to the contact below.

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Please send your application (cover letter, CV and references) and one of your academic papers (e.g., seminar thesis, master thesis) that you like most to → **wiwi-is-kontakt@fau.de.**

www.is.rw.fau.eu