UNIVERSITÄT PADERBORN
Die Universität der Informationsgesellschaft

Paderborn University is a high-performance and internationally oriented university with approximately 20,000 students. Within interdisciplinary teams, we undertake forward-looking research, design innovative teaching concepts and actively transfer knowledge into society. As an important research and cooperation partner, the university also shapes regional development strategies. We offer our more than 2,500 employees in research, teaching, technology and administration a lively, family-friendly, equal opportunity environment, a lean management structure and diverse opportunities.

Join us to invent the future!

At the Chair of Applied Mathematics, which is part of the **Institute of Mathematics** (Faculty of Electrical Engineering, Computer Science and Mathematics), there is an open position as a

Research Associate (f/m/d)

(salary is according to E 13 TV-L)

with 100% of the regular working time. The position is based on a funding provided by the German Research Foundation (DFG) and can be filled immediately. The position is initially limited to 3 years in the sense of WissZeitVG, which is intended to contribute to qualification with regard to an academic career. The possibility of a doctorate or post-doc qualification is given. The contract period corresponds to the approved project funding period - an extension is possible and intended.

Project description and responsibilities:

- Be part of the research team at the Chair of Applied Mathematics.
- Work on the (analytical and numerical) analysis of networked dynamical systems. The related reseach activities are part of the project "*Algorithms for Swarm Robotics: Distributed Computing meets Dynamical Systems*".
- Writing scientific papers for journals and conferences.

Your profile:

- Above-average university degree (master, Ph.D. or similar) in the field of Applied Mathematics
- In-depth knowledge in the field of Compuational Dynamics. Ability to conceptually grasp complex tasks in this area, develop solution strategies and implement them with standard numerical tools.
- Profound knowledge of software-related tools and programming languages (e.g., Python, Matlab, Julia, C/C++,...)
- An interest in the field of distributed computing or complexity theory would be desirable.
- Very good command of written and spoken English or German.

Applications from women are expressly welcome and will be given preferential consideration in accordance with the North Rhine-Westphalian Equal Opportunity Policy (LGG) in the event of equal suitability, qualifications and professional performance, unless reasons relating to the person of a competitor prevail. Part-time employment is generally possible. Likewise, applications of suitable severely disabled persons and persons with equal rights within the meaning of the German social law SGB IX is also welcome.

Applications with complete documents (letter of motivation, Curriculum Vitae, references etc.) must be received by **31.01.2022**. Please send your application quoting the **reference number 5053** to mkalle@math.uni-paderborn.de. Late applications can be considered until the position is filled.

Information regarding the processing of your personal data can be located at https://www.uni-paderborn.de/zv/personaldatenschutz.

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