



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 2,300 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 Discrete Mathematics/Graph Theory group of the [PACE – Paderborn Center for Advanced Studies](#) the following position is to be filled on 01.10.20

Doctoral researcher (f/m/d)

(pay scale E 13 TV-L)

The qualification position (75 % of regular working time) is limited to three years according to the Wissenschaftszeitvertragsgesetz (WissZeitVG) (Law on the Time Contracts for Research and Academic Work). It is a position to support a PhD-project in the field of graph theory. The project is funded by the Deutsche Forschungsgemeinschaft (DFG) and the time limit corresponds to the funding period.

The main research topics of the Discrete Mathematics/Graph Theory group are colorings, circulations and factors on graphs and signed graphs.

Your duties and responsibilities:

- participation in the research and teaching activities of the working group
- research in the field of graph theory, especially on edge coloring, matching theory and factors in graphs

Your profile:

- excellent University degree (M.Sc.) in Mathematics
- Profound knowledge in Graph Theory/Combinatorics
- Ideally, you should have a very good knowledge in the areas of matching theory, coloring and factors of graphs
- Very good knowledge of English and German, written and spoken

Applications from women are particularly welcome and, in case of equal qualifications and experiences, will receive preferential treatment according to the North Rhine-Westphalian Equal Opportunities Act (LGG), unless there are substantial reasons to give preference to another applicant. Part-time employment is, in principle, possible. Applications from disabled people with appropriate suitability are explicitly welcome. This also applies to people with equal opportunities in accordance with the German social law SGB IX.

Please send your application (including a cover letter, your CV, diplomas, transcripts, and contact details of at least two referees) **with reference number 4299** preferably by email in a single PDF-file (deadline **August 07, 2020**) to

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