

The Catholic University of Eichstätt-Ingolstadt (KU) is a non-state university under church leadership and officially recognized by the Free State of Bavaria. It is committed to strong research and excellent teaching and combines first-class study conditions with an international focus. Eight faculties offer a wide range of subjects for around 5,000 students. The University employs 900 people of different faiths and beliefs. Grounded in the Christian view of human life, the KU aims to create an academic and educational culture of responsibility.

The Chair of Analysis within the Faculty of Mathematics and Geography at KU Eichstätt-Ingolstadt invites applications for a three-year part-time position (75%) as

Doctoral Candidate in Analysis (m/f/d)

to be filled at the earliest possible starting date. The position is based in Eichstätt.

The successful candidate will be employed in a private-law employment relationship, in which case remuneration will be according to pay grade E 13 TV-L provided that the requirements are met. **The aim of the position is to pursue a doctoral degree.**

This research position is part of a joint initiative between KU Eichstätt-Ingolstadt and Universidad Autónoma de Madrid (UAM). Funded by the Spanish State Research Agency (AEI) and the German Research Foundation (DFG), the project is titled “Nonlocal gradients in variational analysis and materials modelling: limits, kernels, boundaries.” The main objective of this project is to explore various aspects of a significant class of nonlocal variational problems, laying the theoretical groundwork for a comprehensive theory of nonlocal hyperelasticity.

Your tasks

- Contributing to research and scientific efforts within the scope of the project, including publishing relevant findings
- Sharing and presenting research results at workshops and conferences to engage with the academic community
- Participating in the scientific activities and discussions of the Analysis group in Eichstätt
- Collaborating with the Spanish project partners and external researchers

Your profile

- Master’s degree in mathematics with a specialization in (applied) analysis
- Solid knowledge in modern calculus of variations, function space theory, analysis of PDEs and/or continuum mechanics is desired
- Ability and interest to work within an international research team, along with flexibility and a willingness to travel
- Strong proficiency in written and spoken English; German language skills are not required, but candidates are encouraged to develop those during their employment at the KU

Our offer

- Opportunity to complete a doctoral degree at KU Eichstätt-Ingolstadt under the supervision of Prof. Carolin Kreisbeck
- Three-month secondment at Universidad Autónoma de Madrid hosted by Prof. Carlos Mora-Corral
- Collaboration with an international team and engagement in an active scientific network
- Access to support and guidance for career development

Your application

Please send your application by e-mail to Prof. Carolin Kreisbeck (carolin.kreisbeck@ku.de). Applications from late-stage Master's students and recent graduates are especially welcome. Applications received by January 10, 2025 will receive full consideration. Applications received at a later date can still be considered until the appointment procedure is initiated.

Your application should include a cover letter with a brief statement of scientific interests, a curriculum vitae, copies of transcripts and degree certificates, and a study track record, all combined into a single PDF file. A copy of your Master's thesis would be appreciated. Additionally, one or two letters of recommendation, to be sent directly by the recommender, are desirable.

All application documents submitted will be destroyed/deleted after completion of the hiring process in compliance with data protection regulations.

Please note the KU's privacy policy for the application process. Corresponding information can be downloaded from the KU website at <https://www.ku.de/en/the-ku/job-offers>. By submitting your application, you confirm that you have taken note of the data protection information and the privacy policy.

All employees are obliged to acknowledge the nature and mission of the KU as stipulated in its Mission Statement and Foundation Charter. The University is therefore interested in receiving applications with relevant information in this regard. There are no specific denominational requirements for being employed at the KU.

The KU is committed to promoting equal opportunity (m/f/d) and aims to ensure that its members are able to balance work and family life. Candidates with severe disabilities who are equally suitable to other applicants will be prioritized.