



*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 Logistics and Operations Analytics is looking for a

## PhD student (TV-L E 13 75%) as part of the DFG project ReSCueD

The starting date is flexible and the contract initially for a limited period of up to three years. The place of work is Ingolstadt. Provided that requirements are met, remuneration in the private-law employment relationship will be according to the pay grade E 13 TV-L.

### About us

The Chair of Logistics and Operations Analytics focusses on fundamental and application-oriented research with analytical methods (operations research, machine learning, data-driven optimization, game theory). The focus of the applications lies in transportation logistics, mobility, urban logistics, production planning, and supply chain management. In research, collaborations with national and international universities exist. Routing and delivery planning tools as well as new logistics concepts for urban areas have been applied in various industry and research projects.

### Project

The DFG-funded research project **Resilience Strategies for City Logistics under Disruptions (ReSCueD)** aims to develop mathematical models and efficient solution methods in the area of urban logistics. Besides traditional solution methods, machine learning ideas play a central role in the project. Furthermore, a collaboration with international colleagues in Canada is planned.

### Research environment

The student will be part of the Department of Operations at the Ingolstadt School of Management in Ingolstadt, Germany, where several PhD students and PostDocs work on related problems in the area of logistics, production planning and supply chain management. The chair is also part of the Mathematical Institute for Machine Learning and Data Science (MIDS) at the KU in Ingolstadt and the student can join both research groups. Further, Prof. Fontaine is a collaborative member at the CIRRELT in Montreal.

### Requirements

We are looking for a motivated candidate with Master degree in Management, Economics, Industrial Engineering, Mathematics, Computer Science, or a related field and experience with Operations Research methods (e.g., mathematical programming, discrete optimization). Ideally, you have expertise in programming of algorithms or mathematical modelling.

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### WFI – INGOLSTADT SCHOOL OF MANAGEMENT

## We offer

- Temporary position as a research associate (TV-L E-13, 75%) for up to 3 years. Continued employment is intended.
- Excellent research environment
- Flexible working hours
- Possibility of partly working in home-office
- Possibility of research stay abroad and exchange with leading researchers
- Possibility of obtaining a doctorate degree
- Possibility of attending international conferences
- Motivated and enthusiastic team

## Application

Please apply via e-mail to [sekretariat-loa@ku.de](mailto:sekretariat-loa@ku.de) by including a brief cover letter explaining your motivation for the position, CV, transcript of records, and suitable supporting documents (e.g., thesis). All applications will be considered until the position is filled. In case of questions, feel free to contact Prof. Dr. Pirmin Fontaine ([Pirmin.fontaine@ku.de](mailto:Pirmin.fontaine@ku.de)). All submitted application documents will be destroyed in accordance with data protection regulations after the hiring process has been completed.

*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.*

*The KU is committed to promoting equal opportunity, 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.*