

**Research Assistant / Doctoral Candidate (m/f/d)
at the Institute of Flight System Dynamics on the topic
“Energy Efficient Trajectory Generation and Optimization
of eVTOLs“
(Full position TV-L E13)**



Technische Universität München



Your responsibilities:

- research on current trajectory generation approaches
- optimization of flight trajectories
- development of innovative guidance algorithms for trajectory generation
- participation in the development of an expandable software architecture for test environments
- expansion of the existing simulation environment for your research content
- testing your algorithms in real-life flight tests

Your qualifications:

- a completed scientific university education (Master/Diploma) in
 - Electrical engineering or computer science with a focus on control theory
 - Aerospace engineering with a specialization, e.g., in-flight guidance & control/simulation,
- Proficiency in MATLAB/Simulink
- sound programming skills, e.g., in C++ or Python, and a willingness to expand your knowledge

Our offer:

We offer a full-time position as academic staff with the opportunity to pursue a doctoral degree. The position will be limited to three years. Payment will be based on the Collective Agreement for the Civil Service of the Länder (TV-L). TUM strives to raise the proportion of women in its workforce and explicitly encourages applications from qualified women. The position is suitable for disabled persons. Disabled applicants will be given preference in case of generally equivalent suitability, aptitude, and professional performance.

Your application:

Please send your complete application exclusively in digital format by e-mail (cover letter, CV, references, certificates) as soon as possible but no later than 1 November 2024 to:

Dr.-Ing. Raziye TEKİN via email to raziye.tekin@tum.de

You provide personal data to the Technical University of Munich (TUM) as part of your application. Please view our privacy policy on collecting and processing personal data in the course of the application process under Art. 13 of the General Data Protection Regulation of the European Union (GDPR) at <https://portal.mytum.de/kompass/datenschutz/Bewerbung/>. By submitting your application, you confirm you have read and understood the data protection information provided by TUM.

Please find out more about us at www.tum.de.