Universität Stuttgart
Institut für Flugmechanik und Flugregelung

Flight Control and Navigat… Algorithms for eVTOL Transition Vehicles (Air Taxis)

Doctoral Researcher (m/f/d)

TV-L E13, full time

The Institute of Flight Mechanics and Controls (iFR) is looking for a researcher (salary according to TV-L E13, full time) starting as soon as possible. The position is a part of the "Positioning and Guidance System" project within the "Air Mobility Initiative", together with several partners from industry and academia. The position is initially limited to three years.

Your duties include

- Research of theoretical and practical nature to the topic above.
- Development of advanced flight control algorithms that may cover methods based on both systems theory and machine learning.
- Involvement in flight test activities for demonstration purposes.
- Publishing results at scientific conferences and in journals.

We also offer the opportunity to assist in the institute's teaching.

Requirements

- Master's degree in aerospace engieering, electrical or mechanical engineering, engineering cybernetics, computer science, or related fields
- Background/major in one or more of the following areas: systems theory, flight dynamics, flight control, AI/machine learning
- Programming skills
- English language working proficiency (oral and written)

The iFR is committed to increasing the number of women employed in scientific positions. Severely disabled persons are given priority if equally qualified.

Please address your full application (cover letter, CV, certificates and transcripts) to:

Prof. Dr.-Ing. Walter Fichter
University of Stuttgart
Institute of Flight Mechanics and Controls
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70569 Stuttgart
Email: fichter@ifr.uni-stuttgart.de

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