



Universität Stuttgart

Institut für Flugmechanik und Flugregelung

Probabilistic Reachability Estimation for Flight Control

Doctoral Researcher

The Institute of Flight Mechanics and Control (iFR) seeks to hire one doctoral researcher (salary according to TV-L E13) with immediate start date. The position is initially limited to three years.

The duties of the position include:

- Research of theoretical and practical nature to the topic above.
- Development of algorithms for probabilistic reachability estimation and the integration into optimization-based control approaches.
- Publishing results in scientific conferences and journals.

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

Requirements

- Master's degree in aerospace engineering, technical cybernetics, computer science or related fields
- Background in systems theory, optimization, and/or optimal control
- Driven by curiosity for scientific methods
- English language working proficiency (oral and writing)

Our research group

The position is part of the group *Aerospace Control Systems & Optimization*. The group is dedicated to the analysis of complex aerospace control systems by means of nonlinear systems theory and optimization, the development of algorithms for optimization-based approaches, and optimal control of nonlinear systems.

iFR is committed to increasing the number of women employed in scientific positions.

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

Contact



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