

Doctoral Researchers full time, multiple topics (m/f/d)

Institute of Aircraft Propulsion Systems (ILA)

Job Description

The Institute of Aircraft Propulsion Systems (ILA) seeks to hire multiple doctoral researchers (salary according to TV-L E13, full time) with start as soon as possible. The positions are initially limited to three years. The duties of the positions include:

- Research of theoretical and practical nature within the topic areas listed below.
- Publishing results in scientific conferences and journals.
- Opportunity to assist in the institute's teaching (if desired).

Doctoral researchers are sought for in the following topic areas:

- **Modelling of advanced engine thermodynamic cycles**
- **Second Law analysis of propulsion systems**
- **Experimental investigations of fouling of aircraft engine structures**
- **Fluid mechanic investigations of advanced thrust vectoring jet engine nozzle designs**
- **Fluid mechanics of multi-phase flows**

The ILA is committed to increasing the number of women employed in scientific positions. Women are therefore explicitly encouraged to apply. Severely disabled persons are given priority in the case of equal qualification.

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

University of Stuttgart
Institute of Aircraft Propulsion Systems
Pfaffenwaldring 6
70569 Stuttgart
Email: stephan.staudacher@ila.uni-stuttgart.de

For more information please visit www.ila.uni-stuttgart.de

Profile of Qualifications

- Engineering Degree (M.Sc.) with excellent grades
- Background/major in one of the following areas: thermodynamics, fluid mechanics, turbomachinery, aircraft propulsion systems
- Programming skills and/or experimental skills
- Excellent communication and writing skills (English)