

**Post-Doctoral Research Associate (E14) at the  
Department of Aerospace Engineering, Institute for Flight Systems,  
on the topic “Flight Guidance and Flight Control”**

**(Salary according to “E-14 TVöD”)**

We are looking for a full-time (post-doctoral) research associate (39 hours/week) to support our team in flight guidance and flight control. A 1- or 2-year work contract will be issued, and can be prolonged, if necessary.

The Research Group “Applied AI for Dynamic Systems” of Institute for Flight Systems is researching on intelligent cockpit assistance systems as well as AI-based mission planning for autonomous drones. For a seamless integration into the physical system, we look forward to integrating low-level flight guidance and flight control algorithms into our mission planner or cockpit assistance system.

**Your tasks:**

- Contingency flight guidance and flight control in emergency situations
- Onboard flight control for multiple drones to increase agility

**Pre-requisites:**

- You have completed or are going to complete a doctoral research in the domain flight guidance and flight control
- You are curious about integrating low-level control algorithms into symbolic artificial intelligence for decision-making

**What else are expected?**

- An inclination for teamwork and appreciation of supporting younger PhD candidates
- Publications of results in conference proceedings and journals
- Exploitation of results, for example in form of presentations at international conferences
- Enthusiasm in scientific reasoning and discussions with fellow researchers

**What we offer:**

- The opportunity to work in a young and dynamic research environment
- Modern IT and lab equipment
- On-campus infrastructure for diverse sport and leisure activities
- Family-friendly campus with kindergarden and nursery
- Monthly salary according to TVöD E14 (if the conditions of paragraph § 12 TVöD on the work tasks are fulfilled)

**If you are interested to take up the challenge...**

Then send us your applications (Motivation letter, CV, Certificates) in PDF-format (max. 10 MB) by E-Mail and as soon as possible with the subject **“Flight Guidance and Flight Control** to:

[fmff.lrt@unibw.de](mailto:fmff.lrt@unibw.de)

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Upon submitting your application, you agree that your personal data may be stored, processed and forwarded to the departments involved in the application process for the purposes of the application. You can find more information on data protection under the following link: <https://www.unibw.de/home/footer/datenschutzerklaerung>