

With immediate effect we are looking for our team, in full-time,

Post-Doctoral Researcher in UAV Design and Testing

About us

As member of the department of Aerospace and Geodesy at the Technical University Munich the Chair for Aircraft Design is focusing on the design of manned and unmanned aircraft. The research is dedicated to the areas of „scenario analysis, future trends and technologies“, „aircraft design for civil and military operations“ and „operational analysis and evaluation“. The combination of these research focus areas provides an ideal platform for interdisciplinary research in simulation and experimental validation, including experimental flight testing.

Requirements

The design, building and testing of novel UAV configurations and systems (incl. fixed wing eVTOLs) require an extensive experience in all fields of prototyping UAVs. You should hold a MSc. or Dipl. degree as well as a doctoral degree in aerospace or mechanical engineering well above average and you should have experience in designing, building and testing/flying of novel UAV concepts. Fundamental knowledge of the key disciplines in aerospace engineering and especially in aircraft design is required. Expertise in building and testing of high performance model and scale aircraft is necessary. as well as teaching expertise is appreciated. You should be interested in cooperation with other groups, bring good communication writing skills in English to publish scientific papers.

Tasks

The chair is involved in multiple research projects focussing on novel UAV solutions for a variety of applications. It would be your task to join with the team of researchers to come up with novel solutions and enable the successful demonstration of the technologies, systems and aircraft designs in ground and flight testing. Jointly with the technician of the chair you will be responsible for the management of the integration lab as well as the flight test hangar at the research airport in Oberpfaffenhofen, which will start operation in autumn this year. Besides research activities you will also contribute to the lectures and organizational tasks of the institute.

We provide

A full-time researcher position featuring a fixed-term contract with a salary in accordance with the German state regulated public service salary scale (TV-L E13) TUM is an equal opportunity employer. TUM aims to increase the proportion of women and therefore particularly welcomes applications by women. Applicants with severe disabilities will be given priority consideration given comparable qualifications.

Application

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