

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

Researcher in Flight Testing and Instrumentation for Unmanned Aircraft (UAS)

About us

As member of the department of Aerospace Engineering at the Technical University Munich the Institute for Aircraft Design is focusing on aircraft design and aircraft operations. 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.

Requirements

You should hold a MSc. or Dipl. degree in aerospace or mechanical engineering well above average and you should have experience with experimental testing either in ground based testing or even in flight testing. Fundamental knowledge of the key disciplines in aerospace engineering and especially in aircraft design and performance assessment as well as expertise in instrumentation, data processing and analytics. Expertise in inflight data acquisition, processing and communication are advantageous. Experience in interdisciplinary work as well as teaching is appreciated as well as interest in cooperation with other groups, communication skills and good writing skills in English to publish scientific papers.

Tasks

The testing of novel aircraft concepts featuring new capabilities does require substantial analysis of flight tests of the air vehicles under development. New sensor instrumentation concepts as well as data processing approaches as well as communication concepts and systems need to be designed, integrated and operated. Within multiple UAS projects the setup of the testing hardware as well as the related onboard software solutions need to be build up and test analysis functionalities implemented to support flight testing as well as the post flight data analysis. The derivation of test programmes as well as the cross-referencing to the design data are part of your activities, enabling a thorough understanding of the air vehicle's characteristic and performance. Besides research activities, you will also contribute to the lectures and organizational tasks of the institute.

We provide

A full-time researcher position with a salary in accordance with the German state regulated public service salary scale (TV-L E13). The opportunity to prepare a PhD thesis (Dr.-Ing.) is given. 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

Please file your complete application before 8th April 2018 via Email or mail to:

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