

PROPEL YOUR CAREER TO

UNPARALLELED HEIGHTS

We're looking for

PHD RESEARCH POSITION

Monthly Stipend	: S\$3,000
Start Date	: 1st August 2024
Supervising Professor	: Prof. Dr.-Ing. Florian Holzapfel
Topic:	: Safe Guidance, Navigation, and Control of over-actuated eVTOLs in confined urban areas

ABOUT :

The research position is funded by the German Academic Exchange Service (DAAD) and offers a full-time, fixed-term position at the TUM Singapore Campus. You will be enrolled as an active PhD candidate in the TUM Graduate School with the possibility of graduating as a Dr.-Ing.

The award is tenable for one year in the first instance and is renewable subject to good progress. The maximum period of the Scholarship is 4 years for PhD candidates, as determined by school as well as availability of research funding in each case.

HOW TO APPLY :

To apply, please send the full set of documents, including cover letter, CV, master's degree certificate and transcripts, motivation letter, and one letter of recommendation from a professor to:

phd.admission@tum-asia.edu.sg

The letter of motivation should indicate the specific area of work in which you would like to participate:

- ✈ Aircraft control and autonomous flight
- ✈ Aircraft design and technology
- ✈ Aircraft operations



YOUR CONTRIBUTION:

Finding new promising future aircraft configurations for Urban Air Mobility applications requires a profound understanding of the interactions of the disciplines and technologies on aircraft design, operations, and control. To develop new technologies and systems, a high level of creativity and modeling capability is required. Therefore, you must have at least an MSc. degree in Aerospace or Mechanical Engineering well above average and experience in designing, modeling, and assessing novel aircraft technologies. Fundamental knowledge of the key disciplines in aerospace engineering and especially in aircraft design, operations or flight control is required. Ability to work and collaborate with different groups of people with diverse and cultural background, having excellent communication skills in both written and verbal in English is crucial to publish scientific papers. With these prerequisites and your interest in exploring the design space for future concepts, you will join our research team and contribute to the projects and design frameworks in this field.

ABOUT TUM ASIA GRADUATE COLLEGE:

TUM Asia's Graduate College focuses on New Technologies and Processes in Passenger and Cargo Transport for Land and Aerial Systems. The Aerospace research part is dedicated to the areas of "autonomous flight, aircraft design and technologies, aircraft operations". Combining these research focus areas provides an ideal platform for interdisciplinary research and strengthens TUM's research activities within Singapore's Aerospace ecosystem.

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