

Voluntary Work/ Study Project/ Master Thesis

Ducts for electrified aircrafts

We are seeking a master's student with a background in mechanical/ aerospace/ electrical engineering with a good knowledge on fluid dynamics and heat transfer.

Responsibilities:

- Analysis of heat transfer and flow in ducts
- Assessment 1D and 3D modelling of ducts for aircraft propulsion.
- Detailed CFD analysis and assessment of ducts.

Expected qualifications:

- Strong background in heat transfer, fluid dynamics and electrical systems.
- Good understanding of softwares such as MATLAB Simscape and Ansys FLUENT.
- Ability to write and contribute to research articles.
- Willingness to work and coordinate within a team.

➤ Are you interested or do you know someone who likes this?

Please contact konda@b-tu.de with the following information/ documents:

- A short description about you and your background in the relevant field (max 100 words)
- CV (1 page)
- Transcripts (if available)

(23 January 2025)