



WIR LEBEN WISSENSCHAFT
WE LIVE SCIENCE
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Lehrstuhl Numerische Strömungs- und Gasdynamik
Prof. Dr.-Ing. Heiko Schmidt

Master Thesis Topic: ODT-enhanced post-processing of RANS simulation results

Start: flexible / immediate

➤ **Regarding the work:**

- o Possible tools to carry out the RANS simulations are, e.g., OpenFOAM or ANSYS Fluent. A novel post-processing strategy will make use of a stochastic turbulence model implemented as in-house software. See <https://www.b-tu.de/fg-stroemungsmodellierung>
- o The goal is to perform a pioneering study and to establish the workflow. Standard post-processing tools and programming interfaces will be used.

➤ **Necessary background:**

- o Successful completion of the module CFD Project is highly recommended.

➤ **Contact person: Prof. Dr.-Ing. Heiko Schmidt**

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