



Data-driven Turbulence Modelling

The Numerics Research Group at the IAG is looking for a research associate at the doctoral level for an exciting research project as soon as possible. Within this project, we will develop novel closure models for Large Eddy Simulation of complex aeronautical flows.

The tasks include

- Simulation of complex turbulent flows on HPC systems
- Analysis of existing and novel closure ideas
- Development of data-driven closure models

Requirements

- Master's degree or equivalent in engineering or related fields, preferably with a background in numerical methods for PDEs, machine learning or turbulent flows
- Exposure to high order numerical methods, research software and development
- Fluency in either German or English (written & oral)

The IAG encourages publication of results in scientific journals and supports participation in international conferences. The position is initially limited to three years, but an extension beyond this period is possible.

The IAG is committed to increasing the number of female scientists. Severely disabled persons are given priority if equally qualified.

Please send your full application (cover letter, CV, transcripts) or questions exclusively to applications.nrg@iag.uni-stuttgart.de. Please mention **Ph.D.: MLLES** in the subject!

Prof. Dr.-Ing. Andrea Beck
University of Stuttgart
Institute of Aerodynamics and Gas Dynamics
Pfaffenwaldring 21
70569 Stuttgart
numericsresearchgroup.org

Ph.D. Position

TV-L E13, full time