



## LES / ML / DG

The Numerics Research Group is looking for a PostDoc soon as possible. If one or more of the three abbreviations above mean something to you, you might be the right candidate!

We are looking a PostDoc who is excited about the potential that data-driven models and methods bring to CFD, in particular for multiscale and multiphase flows. We offer the opportunity to help define and shape this exciting field.

### Your tasks include:

- Push forward the development of data-driven LES closures
- Generate consistent models for high order DG schemes
- Manage various PhD research activities in this field
- Present your work at conferences and workshops

### Requirements

- Ph.D. degree or equivalent in engineering, applied math or related fields
- Strong background in at least one of the following: High order numerical methods for PDEs, machine learning and Large Eddy Simulation
- Experience in Reinforcement Learning and/or DG methods is a definite plus
- Experience in research software design, development and management
- Fluency in either German or English (written & oral)
- Please read <https://doi.org/10.1063/5.0176223> and <https://doi.org/10.1016/j.ijheatfluidflow.2022.109094>. If this excites you, consider applying!

The IAG encourages publication of results in scientific journals and supports participation in international conferences. The position is initially limited to two 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](mailto:applications.nrg@iag.uni-stuttgart.de). Please mention **PostDoc: LES** in the subject!

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## PostDoc Position