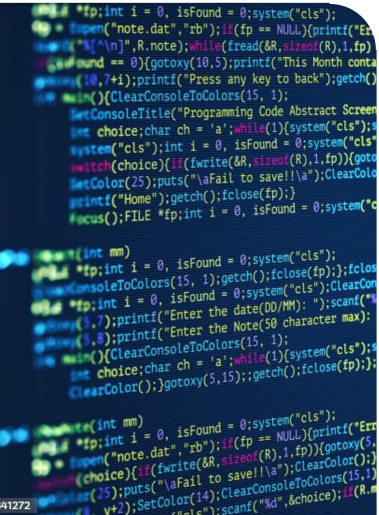


Software Tools for the development of future clean energy systems



Motivation & Background

The Institute for the Simulation of Reactive Thermo-Fluid Systems (STFS) is at the forefront of research and development in the field of reactive thermo-fluid dynamics. We utilize a variety of open-source and in-house developed codes to simulate and analyze complex fluid systems.

Your contributions to this exciting venture are most welcome!

Do you have a strong programming background (preferably in python and/or C/C++), and proficiency in Unix-based systems? If so, we encourage you to contact us for more information!

This job also offers a good opportunity to familiarise yourself with our codebase in preparation for a possible thesis at our institute.

Tasks

- Implementation of pre- and postprocessing utilities in python
- Design of test cases in OpenFOAM to test our codes and solvers
- Support us maintaining our git repositories and our CI/CD pipelines (execution of test cases, documentation of code, ...)
- Work closely with computational scientists and software developers: Contribute to projects that push the frontiers of computational science.

Focus areas

Simulation	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Modeling	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Implementation	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
Data analysis	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

Date

05/06/2024

Start date

Immediately

Contact

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