

Science and Engineering Research Program 2020 Project Proposal

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- institute: Institute of Turbomachinery and Fluid Dynamics
- project title: Use of High-order CFD solvers for Scale-Resolving Simulations
- project description: The objective is to commence the use of a modern open source CFD solver which engages high-order discretization methods. Two possible solvers are PyFR and Flexi. After getting started with the solver, scale-resolving simulations of some basic turbulence problems are going to be performed.
- required skills:
- Background in numerical methods, fluid mechanics, and CFD
 - Experience with linux
 - Programming skills: Python or Fortran
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