

CFD and Turbulent Simulation in Complex Geometries

Postdoctoral position

University of Colorado at Boulder

A postdoctoral position is available immediately in simulation of flow in complex domains. This could involve applications in wind turbine simulations, flow around micro aerial vehicles and underwater vehicles, or development of CFD technique for moving boundary problems such as flapping flight, droplet hydrodynamics, etc. The exact application will be defined based on the candidate's background and expertise. The position could involve algorithm development, direct numerical simulation programming, data processing, and parallel computing. The candidate is expected to closely work with a group of researchers from the aerospace engineering and applied mathematics departments at the University of Colorado at Boulder. The initial appointment is for one year, and the renewal of the appointment in the following years is contingent upon excellent performance. Please check <http://enstrophy.colorado.edu/~mohseni> for more information about the related research and publication in Professor Mohseni's group.

The position is *available immediately* and will be filled as soon as a suitable candidate is identified. The candidate must have a Ph.D. degree in computational mathematics, computer science, or engineering. Strong background in applied mathematics, compressible flows and turbulence is expected. Our approach could take advantage of pseudo-spectral techniques; so any expertise in this area would be a plus. *Applicants with direct expertise in high performance simulation of any of the above mentioned applications will have the highest priority.* A competitive salary based on applicant qualifications and experience will be offered. Applicants should apply via jobsatcu.com (Job Posting #808430).

The University of Colorado is committed to diversity and equality in education and employment.