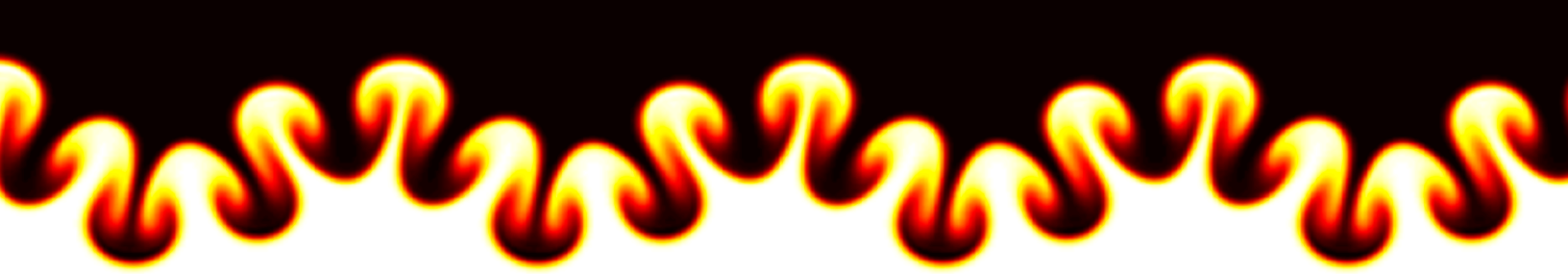

Postdoctoral Research Associate Position
Computational Fluid Dynamics

The Computational Fluid Dynamics group in the School of Engineering at the University of Connecticut invites applications for a Postdoctoral Research Associate position. The candidate will work with Dr. George Matheou in the Department of Mechanical Engineering and an interdisciplinary team including faculty and researchers in the Department of Civil and Environmental Engineering and the Eversource Energy Center at UConn.

The Postdoctoral Research Associate will work on developing a validated computational framework for wind energy applications. The framework will be based on the group's multi-physics high-fidelity large-eddy simulation (LES) model. The newly developed model will be capable of simulations of both atmospheric and oceanic components for renewable energy applications, and it will be coupled to a regional weather forecast model.

MINIMUM QUALIFICATIONS

- Ph.D. in Engineering, Mathematics, Physics or related fields
- Demonstrated experience in numerical modeling and computational fluid dynamics
- Demonstrated experience in parallel/distributed computing
- Evidence of strong scholarship through published research in the field of atmospheric science or computational fluid dynamics
- Excellent interpersonal, writing, and research skills
- Strong time management and organizational skills
- Ability to work both independently and as a member of the research team

PREFERRED QUALIFICATIONS

Experience with large-eddy simulation (LES) models and Immersed Boundary Methods (IBM).

APPOINTMENT TERMS

The initial appointment is for one year with the possibility of renewal subject to satisfactory performance and available funding.

TO APPLY

Please submit a cover letter, CV, and the names and contact information for three professional references to matheou@uconn.edu.
Screening of applications will begin immediately.

Employment of the successful candidate is contingent upon the successful completion of a pre-employment criminal background check.

cfd.engr.uconn.edu