UNIVERSITY OF NOTRE DAME
College of Engineering

Postdoctoral position in marine atmospheric boundary layer turbulence

The Environmental Fluid Dynamics Group within the Civil and Environmental Engineering and Earth Sciences Department (CEEES) at the University of Notre Dame is seeking a postdoctoral researcher in the area of computational atmospheric boundary layer turbulence. As part of a project funded by the Office of Naval Research, advanced numerical techniques based on large eddy simulation (LES) will be used to study aerosol formation and transport within the marine atmospheric boundary layer. Elements of model and algorithmic development, numerical experimentation, fluid mechanics, atmospheric physics, and verification/validation against observational data will each play a role.

Experience in computational fluid dynamics, turbulence, numerical modeling, large eddy simulation, and/or atmospheric science is preferred. Candidates should have a recent Ph.D. in mechanical engineering, civil and environmental engineering, physics, atmospheric science, meteorology, or related discipline.

The duration of the position is one year with funding available to extend to two based on performance. Applications will be accepted until the position is filled. The desired start date is during the fall semester of 2016. Interested candidates should send a current CV, 1 recent publication, and a list of 3 references to Prof. David Richter at David.Richter.26@nd.edu. Questions regarding this position should be sent to this address as well. For further information on the research being done in this group, visit http://www.nd.edu/~drichte2.

The University of Notre Dame seeks to attract, develop, and retain the highest quality faculty, staff, and administration. The University is an Equal Opportunity Employer, and is committed to building a culturally diverse workplace. We strongly encourage applications from female and minority candidates and others that will enhance our community. Moreover, Notre Dame prohibits discrimination against veterans and qualified individuals with disabilities, and requires affirmative action by covered contractors to employ and advance veterans and qualified individuals with disabilities in compliance with 41 CFR 60-741.5(a) and 41 CFR 60-300.5(a).