



Center for Scientific Computation And Mathematical Modeling

University of Maryland, College Park

Workshop Announcement

2010 Tutorial School on Fluid Dynamics: Topics in Turbulence

May 24-28, 2010

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Scientific Background

The turbulent motion of liquids and gases is a ubiquitous phenomenon in nature and engineering. Such motion is fundamental to the formation of planets from interstellar clouds of particulates, to the dynamics of the earth's atmosphere and oceans that determine weather systems, to the mixing of reactants in combustion, to the dispersion of pollutants from smokestacks and storm sewers, and to the health risks caused by diseased arteries, to name but a few examples. Understanding and modeling the physics of turbulent motion is the basis of predicting its effects in these and numerous other examples and controlling it in engineering applications such as the design of air and surface vehicles, efficient engines for propulsion, heat exchangers and stents and heart valves.

Partial funding is provided by

The Burgers Program for Fluid Dynamics
University of Maryland

The Institute for Physical Science & Technology
University of Maryland

Center for Environmental and Applied Fluid Mechanics
Johns Hopkins University

The National Science Foundation

A limited number of openings are available.

Full consideration will be given to advanced graduate students and post-docs who have had an introductory graduate-level course in turbulence and who apply before the deadline of **February 1, 2010**.

To apply, please RSVP at:

www.cscamm.umd.edu/programs/trb10/rsvp.htm

For more information:

Website: www.cscamm.umd.edu/programs/trb10

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