



Fellowships in Geophysical Fluid Dynamics at the Woods Hole Oceanographic Institution

June 19 to August 25, 2006

Since 1959 the GFD program has promoted an exchange of ideas among researchers in the many distinct fields that share a common interest in the nonlinear dynamics of fluid flows (including oceanography and meteorology, as well as astrophysics, applied mathematics, engineering, geophysics and physics). Each year, the program is organized around a ten-week course of study and research for a small group of competitively selected graduate-student fellows. The overall philosophy is to bring together researchers from a variety of backgrounds, to provide a vigorous discussion of concepts that span different disciplines, and to create an intense research experience. For the student fellows, the centerpiece of the program is a research project, pursued under the supervision of the staff. At the end of the program, the fellow presents a lecture and a written report for the GFD proceedings volume. Over its history, the GFD Program has produced numerous alumni, many of whom are prominent scientists at universities throughout the world. The interdisciplinary atmosphere of the Program is the ideal place for young scientists to learn the habits of broad inquiry, of speaking to others with very different backgrounds and viewpoints, and of seeking answers in unfamiliar places.

The Program commences with two weeks of Principal Lectures. In 2006, the theme will be **Ice**, and the Lectures given by Professor Grae Worster (University of Cambridge). Ice impacts geophysical fluid dynamics in a variety of ways. In a marine setting, sea ice moderates the interaction between the atmosphere and ocean, thereby affecting thermohaline circulation and deep water formation. On land, the creeping motion of ice, in the form of glaciers and ice sheets, engenders GFD of another flavour. Both settings, and ice in the atmosphere, bear strongly on climate issues and present a wide array of different challenges to the experimentalist, field observer and theorist alike.

Up to ten competitive fellowships are available for graduate students. Successful applicants will receive stipends of \$4,700 and an allowance for travel expenses within the United States. A small number of unpaid fellowships may also be available for strongly qualified students who can support themselves financially. Fellows are expected to be in residence for the full ten weeks of the program. The application deadline is February 15, 2006. Awards will be announced by April 1, 2006. We particularly encourage applications from women and members of underrepresented groups. Further information and application forms may be obtained at <http://gfd.who.edu>, or by writing to:

The GFD Fellowship Committee
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