Fellowships in
Geophysical Fluid Dynamics
at
Woods Hole Oceanographic Institution

June 18 to August 24, 2012

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 in oceanography,
meteorology, geophysics, astrophysics, applied mathematics, engineering 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 thereby 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, each 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 focusing on a particular theme in GFD.
For 2012, the lectures will be "Spatially Localized Structures: Theory and Applications" delivered by
Edgar Knobloch (UC Berkeley), and "Dynamics of Coherent Structures and Their Impact on Transport
and Predictability" delivered by Jeffrey B. Weiss (CU Boulder).

Up to ten competitive fellowships are available for graduate students. Successful applicants will receive
stipends of $5,500 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, 2012. Awards will be announced by April 1, 2012. We seek
applicants from all areas of Geophysical Fluid Dynamics, and particularly encourage applications from
women and members of underrepresented groups. Further information and application forms may be
obtained at http://gfd.whoi.edu, or by writing to:

The GFD Fellowship Committee
Academic Programs Office, Clark Laboratory, MS 31
Woods Hole Oceanographic Institution
266 Woods Hole Road
Woods Hole, MA 02543-1541

Web: http://gfd.whoi.edu
Telephone: (508) 289-2950
E-mail: gfd@whoi.edu

Prospective visitors should contact Oliver Buhler at obuhler@cims.nyu.edu or
Charlie Doering at doering@umich.edu

WHOI is an Equal Employment Opportunity/Affirmative Action Organization
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