



JOHNS HOPKINS  
UNIVERSITY

Center for Environmental  
& Applied Fluid Mechanics

# Symposium on Fluid Science & Turbulence

**At the boundaries of  
nonlinear physics,  
fluid mechanics  
and turbulence:  
Where do we stand?**



Senior scientists who have led research in nonlinear physics, fluid dynamics, and turbulence for the past few decades and junior scientists who represent the future of the field will gather at this symposium on state-of-the-art research at the broad intersection of their fields. The two-day event comprises 13 invited talks, poster sessions, and discussion periods. A special issue of *Physica D* will be devoted to contributions made at the symposium. For details, go to [www.jhu.edu/~ceafm/Symposium08](http://www.jhu.edu/~ceafm/Symposium08).

#### Invited Lecturers

**Roberto Benzi** (University of Rome Tor Vergata)  
**Stephen H. Davis** (Northwestern University)  
**Mitchell J. Feigenbaum** (Rockefeller University)  
**Michael E. Fisher** (University of Maryland)  
**Uriel Frisch** (Observatoire de Nice)  
**Daniel D. Joseph** (University of Minnesota)  
**Leo P. Kadanoff** (University of Chicago)  
**Yukio Kaneda** (Nagoya University)  
**Benoit B. Mandelbrot** (Yale University)  
**Roddam Narasimha** (Indian Institute of Science)  
**Jacob Palis** (Instituto Nacional de Matemática Pura e Aplicada, Rio de Janeiro)  
**Itamar Procaccia** (Weizmann Institute of Science)  
**James A. Yorke** (University of Maryland)

#### Symposium Sponsors

**National Science Foundation**, Fluid Dynamics (CBET)  
**Center for Environmental and Applied Fluid Mechanics**, Johns Hopkins University  
**Peking University**  
**Schlumberger**  
**Center for Turbulence Research**, Stanford University/NASA  
**Burgers Program for Fluid Dynamics**, University of Maryland  
**Institute for Research in Electronics & Applied Physics**, University of Maryland  
**Office of Naval Research**  
**Air Force Office of Scientific Research**

#### Organizing Committee

**Charles Meneveau**, Committee Chair (Johns Hopkins University)  
**Shiyi Chen** (Johns Hopkins and Peking University)  
**Gregory Eyink** (Johns Hopkins University)  
**Daniel Lathrop** (Univ. of Maryland)  
**Gustavo Stolovitzky** (IBM, Yorktown Heights)

**Baltimore, Maryland (USA)**

**May 30 and 31, 2008**

**Homewood Campus**

**Johns Hopkins University**

**Baltimore, Maryland**

[www.jhu.edu/~ceafm/Symposium08](http://www.jhu.edu/~ceafm/Symposium08)

**The symposium honors Prof. K.R. Sreenivasan, a most influential figure in nonlinear physics, fluid mechanics and turbulence, on the occasion of his 60th birthday.**