

Division of Fluid Dynamics Newsletter

DFD News

A Division of the American Physical Society

THE 59TH ANNUAL DFD MEETING TAMPA, FLORIDA NOVEMBER 19-21, 2006

The 59th Annual DFD Meeting will be held at the Tampa Marriott Waterside Hotel and Marina, Tampa, Florida, November 19-21. The meeting is hosted by the University of Florida.

DEADLINES

Abstract Submission Gallery of Fluid	4 August 2006
Motion Entry Forms	18 September 2006
Video Entries to Gallery of Fluid Motion	18 September 2006
Hotel Reservations (reduced rate)	18 October 2006
Early Registration (reduced rate)	23 October 2006
Pre-registration cancellation	13 November 2006

ABOUT THE PROGRAM

Scientific Program

This year's scientific program will include three award lectures, eight invited lectures, four minisymposia, contributed papers, poster sessions, exhibits, and the Gallery of Fluid Motion. The invited lectures are selected to illustrate the richness of topics, techniques, and applications inherent in the study of fluid dynamics. More than 1500 contributed abstracts, divided into 20 concurrent sessions, are anticipated.

Awards Program

Each year the APS Division of Fluid Dynamics presents several awards: the Fluid Dynamics Prize, the Francois Frenkiel Award, and the Andreas Acrivos Dissertation Award. Winners of these awards will be announced in the fall.

A lecture by each award winner will be given at the meeting.

INVITED LECTURES

- **D. Scott Stewart**, UIUC, "*Advanced Modeling of Detonation Dynamics in Energetic Materials and Explosive Systems*"
- **Roger Kamm**, MIT, "*Measurements and Models of Cytoskeletal Rheology*"
- **Nadine Aubry**, NJIT, "*Mixing in Small Scale Flows*"
- **Dan Henningson**, KTH (Sweden), "*The Use of Global Modes to Understand Transition and Perform Flow Control*"
- **Peko Hosoi**, MIT "*Optimizing Locomotion*"
- **Detlef Lohse**, University of Twente, "*Bubble Puzzles*"
- **Don Rockwell**, Lehigh, "*Imaging of Vortex Development in Shallow Flows*".
- **T. N. Krishnamurti**, FSU, "*Formulation and Results from Ensemble Forecasting using Multimodels for Hurricanes, Global Weather and Seasonal Climate*"

Minisymposia

Four minisymposia will be included in the scientific program.

- 1) Education (organized by Jean Hertzberg)
- 2) Quantum turbulence (organized by Gary Ihas)
- 3) US Mexico symposium in Geophysical Fluid Dynamics (organized by Roberto Zenit)
- 4) Fluid dynamics and plasma physics (organized by Bhimsen Shivamoggi)

Conference Reception

A highlight of the meeting will be the Conference Reception on Sunday evening, November 19, 2006. It will be held at either the Tampa Aquarium or the Convention Center Riverfront Patio. See the conference website (<http://dfd2006.mae.ufl.edu/>) for up-to-date information.

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GENERAL INFORMATION

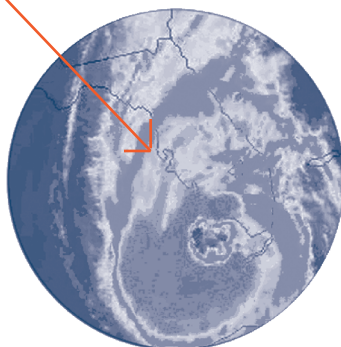
Meeting Venue

The 59th Annual DFD Meeting will be held at the Tampa Marriott Waterside Hotel and Marina. A striking silhouette along the Channel Riverwalk, Tampa Marriott Waterside is a bay-front hotel in the heart of downtown. This new hotel offers elegant amenities for work and play, from 50,000 square feet of meeting space and complete business services to a full-service spa and several delicious restaurants. Part of the Channelside District, Waterside Marriott Hotel & Marina is adjacent to the Tampa Convention Center.

Tampa

Tampa is fast becoming one of Florida's premier vacation destinations. Attractions include a great hands-on museum (Museum of Science and Industry), a wonderful and interesting aquarium (Florida Aquarium), several high-quality art museums (e.g., Salvador Dali Museum), and three major sports venues. Busch Gardens combines an excellent zoo with some of the most thrilling roller coaster rides. The Gulf Coast beaches of Florida offer all the pleasures of sun and surf.

Tampa



For further information see the Website: <http://www.tampavisitorinformation.com/>

Exhibitors

Do not miss the opportunity to reach over 1500 attendees of the APS/DFD Annual Meeting! For more information on exhibits or sponsorship, please contact Meetings And More at (301) 229-1037 or mtgs911@aol.com.

Audiovisual Equipment

All rooms will be equipped with an LCD projector, overhead projector, screen, microphone, and pointer. Speakers planning to use the LCD projector must provide their own laptop computer. A Speaker Ready Room will be available to run through the presentation beforehand to ensure that it works smoothly with the LCD projection equipment.

Meeting Hosts

The meeting is hosted by the Departments of Chemical Engineering, Mechanical Engineering, and Physics at the University of Florida.

Program Organizers

Tony Ladd, *Lead Organizer*
University of Florida
Department of Chemical Engineering
Phone: (352) 392-6509
Fax: 352 392-9513
Email: ladd@che.ufl.edu

General Meeting & Exhibiting Information Meetings And More

5257 River Road, PMB 905
Bethesda, MD 20816
Tel.: (301) 229-1037
Fax: (301) 229-0206
Email: mtgs911@aol.com

Conference Website

<http://dfd2006.mae.ufl.edu/>

HOUSING

The Tampa Marriott Waterside Hotel & Marina (meeting site) is a 3-star waterfront hotel in the heart of Downtown Tampa's Channelside District. Luxury accommodations include 717 elegant rooms and suites with cherry wood furnishings and city, bay view or balcony options. There is dining at 3 restaurants, over 50,000 square feet of event space, a pool and luxury spa.

Tampa Marriott Waterside Hotel

700 South Florida Ave
Tampa, Florida 33602 USA
Tel: 1-813-221-4900
Fax: 1-813-204-6342
Toll-Free: 1-888-268-1616

Website: <http://marriott.com/property/propertypage/TPAMC>

Rates: (identify yourself as DFD attendee prior to October 18, and obtain a confirmation number for the reservation)

\$ 119 (plus tax) single or double occupancy
\$ 139 (plus tax) triple or quadruple

UPCOMING DFD MEETINGS

2007 DFD Meeting, Salt Lake City, Utah
Contact: Pat McMurtry, University of Utah

2008 DFD Meeting, San Antonio, Texas
Contact: Sharath Girimaji, Texas A&M University

HIGHLIGHTS OF THE 58TH ANNUAL MEETING CHICAGO (BY RICHARD LEUPTOW, CHAIR)

The meeting in Chicago was a great success. Highlights included three award lectures, eight invited lectures, 28 talks in five minisymposia, 1,410 additional contributed papers, and a reception at the Chicago Field Museum of Natural History. In honor of the World Year of Physics, the 100th anniversary of Einstein's "miracle year," the DFD meeting featured a special public lecture by Nobel laureate Leon Lederman on science education's "quiet crisis." His Saturday evening lecture was followed by a reception and exhibition of the 2005 Gallery of Fluid Motion.

Over 1,800 persons registered for the DFD meeting, making it the largest meeting in DFD history. About one-quarter of the registrants were affiliated with institutions from outside of the United States, mostly from Western Europe, but with significant contingents from East Asia, North and South America, and Australia. Forty persons, mostly young scientists or scientists from developing countries, were awarded travel grants enabling them to attend the meeting. The travel grant program was funded by the DFD, the Abdus Salam International Centre for Theoretical Physics, and Schlumberger Limited. Over 40% of the registrants were students, including 666 graduate students and 63 undergraduate students, demonstrating the strong support for the development of young scientists and engineers in the DFD community. Some of these students had the opportunity to have lunch with senior members of the fluid dynamics research community, a special event to further encourage their career development.

The technical sessions began early Sunday morning. The 2005 Fluid Dynamics Prize recipient was Ronald J. Adrian of Arizona State University "For his advancement of experimental techniques and their integration into experiments that have led to new insight into complex flows." Professor Adrian presented the 2005 Otto Laporte Lecture on "Organization in Wall Turbulence." The 2005 Andreas Acrivos Dissertation Award was presented to Silas D. Alben of Harvard University, who worked under the direction of Michael J. Shelley, for his thesis entitled "Drag Reduction by Self-Similar Bending and a Transition to Forward Flight by a Symmetry-Breaking Instability." The 2005 Francois Frenkiel Award was presented to Roberto Verzicco of Politecnico di Bari, Italy for his Physics of Fluids paper "Effects of Nonperfect Thermal Sources in Turbulent Thermal Convection" [Phys Fluids 16, 1965 (2004)]. Several new DFD Fellows were named at the

awards ceremony. They include Nadine N. Aubry, John Kelly Eaton, Jean Pierre Hulin, Martin R. Maxey, Eckart Heinz Meiburg, Wallace Kendall Melville, Thomas Mullin, Timothy John Pedley, Sandra Marina Troian, and Stephane Zaleski. Sunday evening was topped off with the conference reception in the expansive Stanley Field Hall at the Field Museum, where attendees could sample cuisine from Chicago's neighborhoods while browsing the many biological and anthropological exhibits, including Sue, the world's largest, most complete, and best preserved Tyrannosaurus Rex.

The remainder of the meeting included outstanding invited lectures by Howard Baum, Henk Dijkstra, James Grotberg, Elisabeth Guazzelli, Nicolas Hadjiconstantinou, Charles Meneveau, Charles Williamson, and Grae Worster. Most of the invited and award lectures will be available on the APS/DFD web site (www.aps.org/units/dfd). In addition, the meeting included five mini-symposia: Fluid Transport in Nanotubes and Nanochannels, Foams: Linking the Mechanics of Fluids and Solids, Japan-US Minisymposium on Bio-Fluid Dynamics, Polymer Flow in Capillary and Simple Shear: From Interfacial Slip to Constitutive Discontinuity, and Reduced-Order Modeling for Feedback Flow Control.

The contributed sessions covered a wide range of topics. Bio-fluid dynamics sessions with session titles ranging from "Hemodynamics" to "Creep, Crawl, Slither, Slide" have grown in popularity from previous years. Other areas with increased attention compared to a few years ago include granular flows and microfluidics. Of course, there were many sessions in traditional areas of fluid dynamics research including turbulence, computational fluid dynamics, boundary layer flows, and many others.

The 23rd Annual Gallery of Fluid Motion included 85 poster entries and 37 video entries presenting research from the United States and many foreign countries. This year's entries exhibited an outstanding display of experimental and numerical results that combined artistic beauty with physical insight for a wide range of fluid mechanics phenomena. A panel of distinguished experts in the fluid dynamics community served as judges for the poster and video entries. Highlights from the winning poster and video entries will be published in a special Gallery of Fluid Motion article in the September 2006 issue of Physics of Fluids as well as being posted on the Physics of Fluids web site.

The winning poster entries were: Vortex Interaction with a Moving Sphere, Yann Jouanne and James J. Allen; The Dynamics of a Flexible Loop in a High-Speed Flow, Kathleen Mareck, Sunghwan Jung, Jun Zhang, and Michael Shelley; Air Cavity Formation in the Wake of a Spinning

Sphere Impacting a Free Surface, Tadd Truscott and Alexandra H. Techet; Flow Induced by Jellyfish, Seiji Ichikawa, Osamu Mochizuki, and Yusuke Yazaki; Laboratory Images of Breaking Internal Wave, Erin L. Hult, Cary D. Troy, and Jeffrey R. Koseff; Visualization of Steady Streaming at Moderate Reynolds Numbers, Charlotte W. Kotas, Minami Yoda, and Peter H. Rogers; Orbital Motion Of Bouncing Drops, Suzie Protiere and Yves Couder; From Turbulent Mixing to Gravity Currents in Tilted Tubes, T. S'eon, J-P. Hulin, D. Salin, B. Perrin, and E. J. Hinch; Impact, Puncturing and the Self-Healing of Soap Films, Laurent Courbin and Howard A. Stone.

The video winners were: Dancing Droplets onto Liquid Surfaces, Nicolas Vandewalle, Denis Terwagne, Karen Mulleners, Tristan Gilet, and Stephane Dorbolo; Water Bell and Sheet Instabilities, Jeffrey M. Aristoff, Chad E. Lieberman, Erica Y. Chan, and John W. M. Bush; Folding of Viscous Threads in Microfluidics, Thomas Cubaud and Thomas G. Mason; Crown Breakup by a Thousand Holes, S. T. Thoroddsen, T. G. Etoh, and K. Takehara.

The local organizing committee for the meeting was composed of representatives from the Illinois Institute of Technology, Northwestern University, and the University of Illinois at Urbana-Champaign.

FELLOWSHIPS, PRIZES, AND AWARDS

2005 DFD Fellows

Fellows are elected based on nominations considered by the DFD Fellowship Committee, review by the APS Fellowship Committee, and approval by the APS Council. Only 0.5 % of the APS membership is selected for Fellowship in the Society each year.

Nadine Aubry, *New Jersey Institute of Technology*

For pioneering work on the derivation and analysis of reduced representations of turbulent and other complex fluid flows, as well as recent contributions to micro fluid dynamics.

John Eaton, *Stanford University*

For fundamental and original contributions to the understanding of turbulent boundary layers and turbulent particle-laden flows and for development of unique and useful experimental and simulation methods.

Jean Pierre Hulin, *CNRS – Université Paris Sud*

For novel and physically insightful experiments on transport in porous and fractured media, fluid mixing and granular flows.

Martin Maxey, *Brown University*

For his seminal contributions to the understanding of the physics of particle-laden turbulent flows.

Eckart Meiburg, *University of California at Santa Barbara*

For the development and use of computer codes to elucidate significant fluid dynamical problems, including: molecular dynamics, interfacial, thermocapillary, particle-laden and porous-media flows, wakes, rotating jets and gravity currents.

Wallace Kendall Melville, *Scripps Institution of Oceanography*

For insightful laboratory, theoretical and field studies of fluid mechanics governing many oceanographic phenomena including breaking waves, rotating fluids, acoustics and flow over topography.

Thomas Mullin, *University of Manchester*

For experimental insights and characterization of the nonlinear dynamics of diverse fluid phenomena.

Timothy Pedley, *University of Cambridge*

For manifold contributions to biofluidynamics and great dedication to the international fluid dynamics community.

Sandra Marina Troian, *Princeton University*

For pioneering theoretical, experimental and molecular simulation studies of micro-hydrodynamic flows.

Stephane Zaleski, *Université Pierre et Marie Curie, Paris*

For pioneering contributions to the development of lattice Boltzmann methods and advanced methods for multiphase flows as well as studies of atomization and other multiphase flow problems.

2005 Fluid Dynamics Prize

Ronald J. Adrian of Arizona State University was awarded the 2005 Fluid Dynamics Prize in recognition of his advancement of experimental techniques and their integration into experiments that have led to new insight into complex flows.

The Fluid Dynamics Prize is awarded for outstanding contributions to fundamental fluid dynamics research. The prize was established in 1979 with support from the Office of Naval Research. In 2004, the Otto Laporte award was combined with the Fluid Dynamics Prize so that the Division of Fluid Dynamics would have a single major prize – the Fluid Dynamics Prize. The prize is now supported by the Division of Fluid Dynamics, friends of Otto Laporte and the American Institute of Physics journal, *Physics of Fluids*.

2005 Andreas Acrivos Dissertation Award

Silas D. Alben of Harvard University was the recipient of the 2005 Andreas Acrivos Dissertation Award for his thesis entitled "Drag Reduction by Self-Similar Bending and a Transition to Forward Flight by a Symmetry-Breaking Instability." The award recognizes an exceptional young scientist for original, outstanding doctoral thesis work in fluid dynamics done in the United States. Dr. Alben did his doctoral thesis work at New York University under the direction of Michael J. Shelley.

2005 Frenkiel Award

Roberto Verzicco of Politecnico di Bari, Italy is the recipient of the 2005 Francois Frenkiel Award, which recognizes significant contributions to fluid mechanics that have been published in *Physics of Fluids* during the preceding year by young investigators. The award paper is titled: Effects of nonperfect thermal sources in turbulent thermal convection [*Phys Fluids* 16, 1965 (2004)].

Prize, Award, and Fellowship Nominations for 2007
For information about the nomination process and requirements, please see the announcements posted at www.aps.org.

CALL FOR NOMINATIONS FOR THE APS/DFD NOMINATING COMMITTEE

The DFD Nominating Committee is calling for nominations for the following upcoming vacancies:

- Vice Chair (2 candidates)
- Two Members-at-Large (4 candidates)
- Secretary-Treasurer (2 candidates)
- Division Councillor (2 candidates)

Please send your nominations to the chair of the Committee, Mory Gharib, mgharib@caltech.edu with the name of the nominee, his or her affiliation, the position for which the person is nominated, and a short statement supporting your nomination. The deadline for nominations is June 5, 2006.

The DFD Nominating Committee thanks you in advance for your nominations.

FLUID DYNAMICS IN THE NEWS

A summary of highlights in physics from last year is provided in *Physics News* in 2005 (www.aps.org/apsnews).

The APS/Division of Fluid Dynamics has produced a report entitled *Research in Fluid Dynamics: Meeting National Needs for the US National Committee on Theoretical and Applied Mechanics* that makes a case for the importance of fluid dynamics research to the public welfare. This eight-page color report is intended for funding agency and congressional staff, media, and others interested in scientific research. It makes a case for the importance of fluid dynamics research to the public welfare. The report intentionally highlights a few areas of fluid dynamics research that have clear applications to national needs, and is not intended to set priorities within the field of fluid dynamics. The report has been reviewed and approved by the DFD Executive Committee, and by the U.S. National Committee on Theoretical and Applied Mechanics (USNC/TAM) (the publisher), which operates under the auspices of the National Academies.

To access the document as a PDF file, go to http://www7.nationalacademies.org/usnctam/Fluid_Mechanics_II.html

You are also encouraged to visit the home page of USNC/TAM at <http://www7.nationalacademies.org/usnctam/> (The report can then be found by clicking on the link "Research Directions" on the left side of the screen.)

WE ENCOURAGE YOU TO DISTRIBUTE THE REPORT to others who are not members of DFD. This might include other scientists, colleagues at your place of work, etc. You might consider writing a short opinion piece for your local newspaper based on the document. It would be good to write letters to your congress people, enclosing copies of the Report, etc. Only with your help can the case for public support for Fluid Dynamics Research be made effectively.

If you print the document, be sure to print it in color as the pictures require it.

The DFD Officers appreciate the opportunity provided by USNC/TAM to prepare this report, and we hope that you find it interesting and helpful in advocating our field. The report was edited by Jerry Gollub. Many people contributed to the writing of the report: H. Fernando (Arizona State), Morteza Gharib (Caltech), John Kim (UCLA), Steve Pope (Cornell), Alexander Smits (Princeton), and Howard Stone (Harvard). Others contributed by commenting on drafts and providing advice. These include all members of the DFD Executive Committee (Jim Wallace, Jim Duncan, Harry Swinney, Bob Behringer, Ellen Longmire, John Foss,

Gretar Tryggvason, Werner Dahm, Sandra Troian, and the officers already listed as writers), Mohamed Gad-el-Hak, Gary Leal, Michael Manga, Paul Dimotakis, James Grotberg, Kenny Breuer, and Robert Nerem. Our apologies go to any who have been inadvertently omitted.

**APS COMMITTEE ON
INTERNATIONAL SCIENTIFIC
AFFAIRS ANNOUNCES
AVAILABILITY OF FREE
ON-LINE JOURNALS FOR
INSTITUTIONS IN
SUB-SAHARAN AFRICA**

The Committee on International Scientific Affairs (CISA) is pleased to announce that the American Physical Society is now offering free, on-line access to its journals to institutions in sub-Saharan Africa. Beginning in 2006 through 2008, not-for-profit institutions located in eligible countries can gain online access to APS journals (a complete list of eligible countries is provided at the end of this article). CISA asks the Division of Fluid Dynamics to help “spread the word” of this new program to interested colleagues in sub-Saharan Africa.

The APS is offering this access via the International Network for the Availability of Scientific Publications’ (INASP) Programme for the Enhancement of Research Information (PERI). To learn more about PERI, please visit <http://www.inasp.info/peri/index.shtml>. The APS is just one of a host of publishers that makes its journals available through this program. While the APS has initially begun offering free journal access to countries in sub-Saharan Africa, if this pilot program with PERI proves successful, it is hoped that the APS will be able to expand this offering to other developing regions. For additional information, please visit <http://www.aps.org/intaff/cisa/peri.cfm>

Gaining Access

Again, we ask the members of the Division of Fluid Dynamics to “spread the word” to colleagues in sub-Saharan Africa about the journal offerings and these guidelines regarding access:

Access to PERI resources is controlled via Internet

Protocol (IP) addresses entered within the institutional administrative system. Thus, interested institutions must be registered with PERI before their users can gain access to APS publications. Registration should be completed by a librarian on behalf of the institution. (It is also possible to make access available for institutions without an IP range through an institute-specific username and password.)

Institutions can learn how to register by visiting the PERI registration web site at <http://www.inasp.info/scgi-bin/peri/peri.pl>. (Choose to browse by country, select appropriate country, select desired resource, and then follow the remaining instructions.) There are “Help Documents” available on this site that explain the registration process in full.

Individual researchers should contact their librarian or PERI Country Coordinator (<http://www.inasp.info/peri/countries.shtml>) to determine whether their institution is registered.

Once registered, institutions will have access to the following APS publications:

- Physical Review A
- Physical Review B
- Physical Review C
- Physical Review D
- Physical Review E
- Physical Review Focus
- Physical Review Letters
- Physical Review Online Archive (PROLA)
- Physical Review Special Topics - Accelerators and Beams
- Physical Review Special Topics - Physics Education Research
- Reviews of Modern Physics

Eligibility

Countries are selected for participation in PERI based on their Gross Domestic Product (GDP) and/or the Human Development Index (HDI). Individual publishers then determine to which countries they will offer their products. Access is made available to not-for-profit institutions in those countries.

The following countries are eligible to receive free on-line access to APS journals:

Angola
 Benin
 Botswana
 Burkina Faso
 Burundi
 Cameroon
 Cape Verde
 Central African Republic
 Chad
 Comoros
 Congo (Brazzaville), Republic of the
 Congo (Kinshasa), Democratic Rep. of the
 Côte d'Ivoire
 Djibouti
 Equatorial Guinea
 Eritrea
 Ethiopia
 Gambia
 Ghana
 Guinea
 Guinea-Bissau
 Kenya
 Lesotho
 Liberia
 Madagascar
 Malawi
 Mali
 Mauritania
 Mozambique
 Namibia
 Niger
 Nigeria
 Rwanda
 Sao Tome and Principe
 Senegal
 Sierra Leone
 Somalia
 Sudan
 Swaziland
 Tanzania
 Togo
 Uganda
 Zambia
 Zimbabwe

JOURNAL OF FLUID MECHANICS DIGITAL ARCHIVE 1956-1996 GOES LIVE

Cambridge University Press has announced that every issue of the Journal of Fluid Mechanics is now online. For further information please go to : http://www.journals.cambridge.org/jid_JFM.

DRAMATIC INCREASE IN DFD MEMBERSHIP

Harry Swinney reported that at a meeting on Feb 11, the APS Executive Board noted with amazement the increase in DFD membership from 1580 to 2610 for the year 2005. The DFD increase was one-half of the total increase in APS membership for 2005. According to Justin Stewart, Membership Marketing Administrator at APS, the gains from last fall's DFD meeting in Chicago included 335 new APS Student members, 147 new APS Regular members, and 541 new DFD members. Trish Lettieri of the APS membership office noted that 300-400 of the new members joined at the 2004 DFD meeting but were not officially added until early 2005, thus inflating the 2005 figure with respect to 2004. Nevertheless, the increase is striking. Whereas DFD membership has traditionally held steady at about 3.7% of the total APS membership, it currently stands at 5.73%.

Judy Franz, the Executive Officer of APS, reported that the unit attendance of DFD members at the last March Meeting in Baltimore reached a record high of 203. The attendance by DFD members has continued to rise in recent years:

2000	70
2001	77
2002	81
2003	100
2004	125
2005	157
2006	203

APS/DFD 2005 LEADERSHIP & CONTACT INFORMATION

DFD MEMBERS ARE INVITED TO CONTACT THE DFD LEADERSHIP WITH SUGGESTIONS AND CONCERNS.

EXECUTIVE COMMITTEE

Chair

Howard Stone (11/07)

Chair-Elect

Steve Pope (11/08)

Vice-Chair

Lex Smits (11/09)

Past-chair

Jerry Gollub (11/06)

Secretary/Treasurer

(3 year term)

James H. Duncan (11/06)

Division Councillor

(4 year term)

Harry L. Swinney (11/06)

Members-at-Large

(3 years terms with election of 2 new members every year)

John Foss (11/06)

Gretar Tryggvason (11/06)

Werner Dahm (11/07)

Sandra Troian (11/07)

Paul Steen (11/08)

Minami Yoda (11/08)

NOMINATING

COMMITTEE

Mory Gharib (12/06), Chair

Dwight Barkley (12/06)

Kenny Breuer (12/06)

Leslie Smith (12/06)

Roger Bonnezaze (12/07),

Vice-Chair

Sivaram Gogineni (12/07)

Alan Kerstein (12/07)

Michael Schatz (12/07)

PUBLICATIONS AND

MEDIA COMMITTEE

Gretar Tryggvason, Chair
(12/06)

Detlef Lohse (12/07), Vice-
Chair

Aline Cotel (12/07)

Eberhard Bodenschatz
(12/08)

John Bush (12/08)

Karen Flack (12/08)

Scott Morris (12/08)

PROGRAM COMMITTEE

Steve Pope (Chair, 12/06)

Igor Mezic (12/06)

Paul Steen (12/06)

Melany Hunt (12/07)

David Kassoy (12/07)

Wolfgang Losert (12/08)

Jim Riley (12/08)

FELLOWSHIP

COMMITTEE

Lex Smits (Chair, 12/06)

Bob Behringer (12/06)

Juan Lasheras (12/06)

Jean-Marc Chomaz (12/06)

Chih-Ming Ho (12/06)

Nadine Aubrey (12/07)

D. Scott Stewart (12/07)

EXTERNAL AFFAIRS

COMMITTEE

Werner Dahm, Chair
(12/07)

Joe Fernando (12/06)

John Foss (12/06)

Mike Reischman (12/06)

Steve Morris (12/06)

Laurette Tuckerman (12/06)

Jim Basseur (12/08)

Kimberly Hill, Vice-Chair
(12/08)

SELECTION COMMITTEE

FOR 2006 FLUID

DYNAMICS PRIZE

Joel Koplik, Chair (12/06)

Ron Adrian ('05 prize,
12/06)

Tony Maxworthy (12/06)

Patrick Huerre (12/06)

Philip Morrison (12/06)

Elaine Oran (12/07), Vice-
Chair

Tom Mullin (12/07)

SELECTION COMMITTEE

FOR 2006

ACRIVOS AWARD

Paul Neitzel, Chair (12/06)

Peko Hosoi (12/06)

Richard Leighton (12/06)

Sandip Ghosal, Vice-Chair
(12/07)

Mark Shattuck (12/07)

Fabien Waleffe (12/07)

Wendy Zhang (12/07)

FRENKIEL AWARD

*Note: One of these members
shall be an Associate Editor
of Physics of Fluids*

John Hinch, Chair (12/06)

Dan Lathrop (12/06)

Yuriko Renardy (12/06)

Marc Smith (12/06)

Marc Femigier (12/07)

Ann Karagozian (12/07)

Eckart Meiburg, Vice-Chair
(12/07)

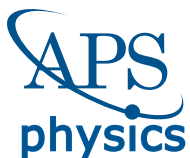
Division Website

Development Officer

Ken Kiger

Membership Coordinator

Timothy Wei



AMERICAN PHYSICAL SOCIETY

Division of Fluid Dynamics

One Physics Ellipse

College Park, MD 20740-3844