

A Division of the American Physical Society



Boston, MA
November 22-24, 2015

The 68th Annual Meeting of the American Physical Society's Division of Fluid Dynamics (DFD) will be held in Boston, Massachusetts, on November 22-24, 2015. The meeting is being hosted by the Massachusetts Institute of Technology (MIT), along with Boston College, Boston University, Brown University, Harvard University/School of Engineering and Applied Sciences, Northeastern University, Tufts University, the University of Massachusetts Amherst, and Woods Hole Oceanographic Institution. The meeting will be held at the Hynes Convention Center, centrally located in the heart of Boston.

Meeting Venue

John B. Hynes Veterans Memorial Convention Center is located in the heart of Boston's historic Back Bay neighborhood.

Between sessions, the impressive Boylston Street hallway offers attendees one-of-a-kind views of the Back Bay, the Charles River and

Cambridge. And, with so many amenities nearby, attendees won't need to travel far to experience both the benefits of the event and the attractions of Boston.

A short ride from Logan International Airport, and accessible to major roadways and public transportation, the Hynes is perfectly situated for both local and out-of-town guests.

Boston

Boston is a wonderful blend of stylish sophistication and historic New England charm. You can easily uncover the city's past while enjoying its distinctively modern edge.

A walk through the Public Garden is simply delightful - whether winter or springtime. Boston shops and galleries are inviting any time of year whether you're a serious and seasoned shopper, a bona-fide bargain hunter or a whimsical window shopper. You can browse glass-enclosed arcades, meander open-air marketplaces and stroll among independent brownstone boutiques.

IN THIS ISSUE

- 1** 68th Annual DFD Meeting: Boston, MA
- 5** APS/DFD 2014 Awards, Prizes, New Fellows and Gallery Winners
- 10** APS/DFD 2014-15 Officers

The articles in this issue represent the views of the Division of Fluid Dynamics (DFD) publication committee and are not necessarily those of individual DFD members or the APS.



Boston Public Garden

There's history to be enjoyed as well as the freshest local seafood. The Freedom Trail takes you by 16 historically significant sites. There are movies under the stars and star-studded concerts. Enjoy a Boston tradition with a spin or two around the Frog Pond.

Explore the hidden gardens of Beacon Hill, the inner courtyard of the Isabella Stewart Gardner Museum and the enclosed garden at Trinity Church. Sample award-winning cuisine at four-star restaurants or neighborhood bistros.

The country's first public library with more than 6 million volumes is equally a museum masterpiece filled with murals, frescoes, paintings and sculptures. Take a culinary tour of Boston's Little Italy or Jewish Brookline or enter the vividly colored Mapparium, a stunning 30 foot stained-glass globe.

For more information on Boston go to:
www.bostonusa.com/visit/bostoneveryday/whattodo
www.massvacation.com/search/?stern=Boston

Housing and Meeting Registration

Registration for the meeting and housing information is available through the meeting web site:
<http://apsdfd2015.mit.edu>

APS/DFD has negotiated discounted hotel rates for meeting attendees next to the convention center. You should make your hotel reservation after completing your on-line registration for the meeting or by going to the hotel section of the website. Hotel reservations are taken on a first-come space-available basis. Submit your request as soon as possible for the best opportunity of receiving your hotel choice.

2015 DFD Contracted Hotels

Please make your reservation at one of the hotels below using the instructions provided. Staying at one of these

hotels helps meet DFD's financial obligations, which in turn keeps registration fees as low as possible. Hotels are listed in proximity to Convention Center.

Sheraton Boston Hotel (AAA rating: 3 Diamond)

0.1 mi/ 0.16 km from Convention Center

Rates:

\$199 + tax per night one or two people in the room; add \$10 for each additional person over two.

Student Rate: \$179 + tax per night for one or two people in the room; add \$10 for each additional person over two. A limited number of rooms are available at this rate and a student ID must be provided at check-in.

The Colonnade Hotel (AAA: 4 Diamonds)

0.3 mi/0.48 km from Convention Center

Rates:

\$179 + tax per night single/double (one or two people in the room)

\$209 + tax per night triple (three people in the room)

\$239+ tax per night quad (four people in the room)

Fairmont Copley Plaza (AAA rating: 4 Diamond)

0.5 mi/0.80 km from Convention Center

Rates:

\$179 + tax per night single/double (one or two people in the room); add \$30 per for each additional person in the room (over two) per night.

Hilton Boston Back Bay (AAA rating: 3 Diamond)

0.2 mi/0.32 km from Convention Center

Rates:

\$169 + tax per night single/double (one or two people in the room)

\$179 + tax per night triple/quad (three or four people in the room)

Boston Marriott Copley Place (AAA rating: 3 Diamond)

0.2 mi/0.32 km

Rates:

\$189+ tax per night single/double (one or two people in the room); add \$20 per for each additional person in the room (over two) per night.

The Midtown Hotel (AAA rating: 2 Diamond)

0.6 mi/0.96 km from Convention Center

Rates:

\$149 + tax per night single/double (one or two people in the room)

\$159 + tax per night triple (three people in the room)

\$169 + tax per night quad (four people in the room)

Registration

Registration is now open!

<http://apsdfd2015.mit.edu/registration>

Registration Type	Received on/before 9/16	Received between 9/17 - 10/22	Received between 10/23 - 11/24
Member	\$460	\$530	\$710
Reciprocal Society Member	\$460	\$530	\$710
Non-Member	\$715	\$775	\$855
Retired Member (with APS Senior Membership)	\$250	\$270	\$355
Graduate Student Member**	\$250	\$270	\$355
Undergraduate***	\$95	\$95	\$130
Additional Reception Ticket	\$120	\$120	\$120

**Graduate Students who are not APS Members must pay the nonmember rate unless joining at the time of registration. 1st year is free for first time members in the U.S., Canada, or Mexico. Includes (2) free Divisions or Topical Groups for all students.

***Undergraduate registrations do not include a ticket to the Sunday night reception. Additional reception tickets may be purchased.

Key Dates

Registration Deadlines

Early Registration Rate

on or before Sept 16, 2015

Regular Registration Rate

Sept 17 – Oct 22, 2015

On-Site Registration Rate

Oct 23 – Nov 24, 2015

Cancellation Deadline

(no registration refunds past this date)

Nov 7, 2015

Hotel Reduced Rate Ends

Oct 16, 2015 or earlier if block sells out

Abstract Submission Deadline

Aug 1, 2015

Travel Grant Application Deadline

Aug 1, 2015

Child Care Grant Application Deadline

Aug 1, 2015

Gallery of Fluid Motion (GFM) GFM Poster and Video Submission

Entries Must be Made Before September 15, 2015

Video Submission Deadline

Oct 6, 2015

GFM Poster

Bring to meeting

Scientific Program

The scientific program will include four award lectures and eight invited lectures along with minisymposia, focus sessions, contributed papers, poster sessions including student poster competition, exhibits and the Gallery of Fluid Motion poster and video entries. Over 2800 contributed abstracts, divided into more than 36 concurrent sessions, are anticipated.

Awards Program

Each year the APS Division of Fluid Dynamics presents the Fluid Dynamics Prize, the Francois Frenkiel Award, the Andreas Acrivos Dissertation Award, and the Stanley Corrsin Award. The 2015 award winners, each one of whom will give a lecture at the meeting, will be announced in the Fall.

Invited Lectures, Minisymposia, and Focus Sessions

Eight invited lectures on topics of broad interest to the DFD community will be given by experts in each field. The program also includes multiple Minisymposia and Focus Sessions dealing with exciting current research.

Gallery of Fluid Motion

The 33rd Annual Gallery of Fluid Motion will be held as part of the meeting. The Gallery consists of posters and videos submitted by attendees illustrating the science—and very often also the beauty—of fluid motion. Both computational and experimental entries are encouraged. Poster and video entries must not duplicate one another. Outstanding posters and videos, selected by a panel of referees, will be recognized during the meeting, will be displayed at the Annual APS meeting in March, 2016 and will appear in the September, 2016 issue of the Physics of Fluids. Please see the meeting web site for information on how to submit Gallery of Fluid Motion entries.

Posters

The number of poster research contributions to the Annual DFD Meeting has been growing over the past few years with 104 posters submitted in 2014. In order to showcase this part of the meeting, DFD launched its first Student Poster Session in 2012 and the meeting will continue this tradition in 2015. The Poster Session will be held preceding the Sunday night reception. Student posters will be

judged and awarded 1st and 2nd Prize for “Best Poster” in several categories. Winners in each category will receive cash awards and will be highlighted in the DFD Newsletter. While the Poster Session of the DFD Meeting is open to all participants, the Poster Competition will constitute a specific opportunity for graduate and undergraduate students to enhance their presentation skills and to build their professional network.

Travel Awards

In 2014 the APS-DFD External Affairs Committee instituted a new category of enabling travel grants for the DFD meeting, designed to provide full support for attendance by a select few scientists (all researchers are eligible). Priority will be given to researchers who would not otherwise be able to attend the meeting, for whom the meeting comes at a timely point in their career and who have not previously attended a DFD meeting (applicants should address these points in their application). Applications must be received by the abstract submission deadline: **August 1, 2015 at 5:00 pm EDT**. Further details can be found under the Travel Grants tab on the Information page at the conference website.

Audiovisual Equipment

All rooms will be equipped with an LCD projector, screen, microphone, and pointer. Speakers must provide their own laptop computer to use with the projector. A Speaker Ready Room with technicians will be available to help attendees ensure that their presentations work smoothly with the LCD projection equipment.

Exhibitor and Sponsorship Opportunities

Exhibits will be centrally located in Exhibit Hall C at the Hynes Center.

For more information on exhibits or sponsorship, please email Margaret McDonald at:

margaret2@meetingsandmore.net

Conference Reception

This year the DFD Conference Reception will be at the Museum of Fine Arts in Boston. This will be a very special evening due to the spectacular venue. Come visit with your colleagues and explore one of the most comprehensive museums in the world with art from ancient Egyptian to contemporary.

The reception is included in the registration fee for those who register as APS Members, Nonmembers, Graduate Students, and Retired Members. Additional tickets may be purchased for \$120 each.

Meeting Chairs

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Registration

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Exhibiting and Sponsorship Information

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2015 Meeting Website

<http://apsdfd2015.mit.edu>

Future APS/DFD Meetings

2016: Portland, OR

Professor Raul Cal, Meeting Chair
Portland State University

2017: Denver, CO

Professor Jean Hertzberg, Meeting Chair
University of Colorado, Boulder

2018: Atlanta, GA

Professor P.K. Yeung, Meeting Chair
Georgia Institute of Technology

Professor Donald Webster, Co-Chair
Georgia Institute of Technology

APS/DFD 2014 Awards, Prizes, New Fellows, and Gallery Winners

**2014 Fluid Dynamics Prize**

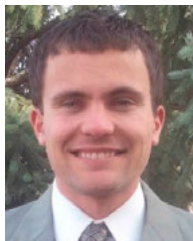
Genevieve Comte-Bellot, *Ecole Centrale de Lyon*, was the recipient of the 2014 Fluid Dynamics Prize, which recognizes major contributions to fundamental fluid dynamics made during a career of outstanding work. The citation reads: "For significant contributions to understanding the physics of turbulent flow, aero-acoustics, and hotwire anemometry by excellent measurements of mean and fluctuating properties".

**2014 Stanley Corrsin Award**

Eberhard Bodenschatz, *Max Planck Institute for Dynamics and Self-Organization*, was the recipient of the 2014 Stanley Corrsin Award which is given to recognize and encourage a particularly influential contribution to fundamental fluid dynamics. The citation reads: "For seminal contributions to experimental techniques that enabled quantitative Lagrangian measurements which opened a new subfield of turbulence research".

**2014 Andreas Acrivos Dissertation Award**

Eric Vandre, *University of Minnesota*, received the Andreas Acrivos Dissertation Award for his thesis entitled "Onset of Dynamic Wetting Failure - The Mechanics of High-Speed Fluid Displacement". The award recognizes an exceptional young scientist for original, outstanding doctoral thesis work in fluid dynamics done in the United States. Dr. Vandre did his doctoral thesis work at the *University of Minnesota* under the direction of Satish Kumar.

**2014 Francois Frenkiel Award**

Benjamin D. Mater, **Simon M. Schaad** and **Subhas Karan Venayagamoorthy**, *Colorado State University*, were the recipients of the 2014 Francois Frenkiel Award for their paper "Relevance of the Thorpe Length Scale in Stably Stratified Turbulence", *Physics of Fluids*, Volume 25, 076604 (2013). The award is given in recognition of significant contributions to fluid mechanics by young investigators. The Award, which is sponsored by the Division of Fluid Dynamics, is given in honor of a paper published in *Physics of Fluids* during the preceding year.

2014 Division of Fluid Dynamics Fellows

Each year the number of new Fellows is limited to be no more than $\frac{1}{2}$ of 1% of the membership. Congratulations to the following 2014 Fellows:



Shelley Anna
Carnegie Mellon University

For contributions in extensional rheology and droplet microfluidics and in particular for elucidating and manipulating the effect of surfactants in microfluidic tip streaming.



Colm-Cille Caulfield
University of Cambridge

For fundamental advances in our understanding of the dynamics of stratified flows including finding new bounds on mixing efficiency and delineating new regimes in natural ventilation.



Herman Clercx
Eindhoven University

For his relevant contribution to our understanding of two-dimensional turbulence, vortex flow, rotating flow and mixing.



John Dabiri
California Institute of Technology

For seminal contributions to vortex dynamics and biological propulsion, and for pioneering new concepts in wind energy.



Karen Flack
US Naval Academy

For her clarifying work on the structure of three dimensional turbulent boundary layers, and for better characterizing the connections between surface roughness geometry and boundary layer drag.



Ross Griffiths
Australian National University

For pioneering experiments and theoretical analysis in geophysical fluid dynamics, including ocean modeling, earth mantle convection and lava flows, and for scientific leadership and service to the fluid dynamics community.



Serafim Kalliadasis
Imperial College London

For pioneering and rigorous contributions to fundamental fluid dynamics, particularly interfacial flows and dynamics of moving contact lines, statistical mechanics of inhomogeneous liquids, and coarse graining of complex multiscale systems.



Sang Joon Lee
Pohang University of Science & Technology

For his contributions to experimental fluid mechanics, especially in the development of advanced flow visualization techniques and various successful applications to biofluid flows, microfluidics and turbulent shear flows.



Ching-Long Lin
University of Iowa

For contributions to multiscale flow physics and computational techniques, including: pulmonary flows, imagingbased data-driven human lung models, lattice-Boltzmann methods, coherent structures in atmospheric boundary layers, and four-dimensional data assimilation.



Arne Pearlstein
University of Illinois, Urbana Champaign

For important fundamental contributions to the understanding of the stability of fluid motion, including computational studies of convection and solidification of binary and multi-component fluids.



Andrew Pollard
Queens University

For sustained and innovative contributions to computational and experimental fluid dynamics and their symbiotic interplay, and exceptional contributions to higher education, including establishment and leadership of networks supporting international collaboration.



Alain Pumir
Ecole Normale Supérieure de Lyon

For pioneering and lasting contributions to the selection of Saffman-Taylor fingering, elucidation of solitary wave origin in thin films, and theory of passive scalars and particle motion in turbulence.



Kausik Sarkar
George Washington University

For fundamental contributions and creative analysis of flows with droplets — effects of viscoelasticity, emulsion rheology, normal stress differences, wall-induced migration, and modeling of encapsulated contrast microbubbles for ultrasound imaging.



Michael Schultz
US Naval Academy

For original and fundamental contributions to the understanding of wall-bounded turbulent flows including surface roughness effects, drag and economic consequences of biofouling, Reynolds-number scaling, and experiments utilizing advanced optical techniques.



Zhen-Su She
Peking University

For his contributions to the understanding of intermittency effects and non-Gaussian statistics of small-scale turbulent fluctuations, and quantification of the anomalous scaling of high-order velocity structure functions.



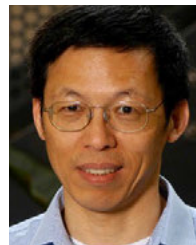
Marc Smith
Georgia Institute of Technology

For fundamental contributions to the fields of interfacial fluid mechanics and heat transfer and to the modernization of fluid mechanics education.



Michael Triantafyllou
Massachusetts Institute of Technology

For seminal contributions in developing scaling laws in fish-like swimming and pioneering the development of biomimetic robots to study mechanisms of unsteady flow control leading to fish and cetacean agility.



Meng Wang
University of Notre Dame

For pioneering work in large-eddy simulations for aeroacoustics, hydroacoustics and aero-optics, and contributions to the fundamental understanding of physical sources of sound and optical aberrations in turbulent flows.



Z. Jane Wang
Cornell University

For fundamental contributions to our understanding of insect flight through simulations of hovering, elucidation of unsteady forces, development of computational tools, and analyses of flight efficiency, stability, and control.

The 2014 Gallery of Fluid Motion and the Milton Van Dyke Award Winners

As has long been our tradition, the best posters and videos were chosen from amongst the entries at the 2014 DFD meeting in San Francisco. The top three from each category were awarded the Milton Van Dyke Award for fluid flow visualization. The posters and videos can be viewed at gfm.aps.org.

Milton van Dyke Award Winners (Video)

V012. The Hidden Complexities of the Simple Match
Victor Miller, Matthew Tilghman, Ronald Hanson, Stanford University

V016. Laser impact on a drop

Alexander L. Klein, Claas Willem Visser, Wilco Bouwhuis, University of Twente; Henri Lhuissier, Université Paris Diderot; Chao Sun, Jacco H. Snoeijer, University of Twente; Emmanuel Villermaux, Aix-Marseille Université; Detlef Lohse, University of Twente

V038. Faraday instability in floating drops

Giuseppe Pucci, Université Paris Diderot; Martine Ben Amar, Ecole Normale Supérieure, Université Paris Diderot; Yves Couder, Université Paris Diderot

Gallery of Fluid Motion Award (Video)**V015. Raindrop impact on a sandy surface**

Xiang Cheng, Runchen Zhao, Qianyun Zhang, Hendro Tjugito, University of Minnesota

V073. Buckling instability of crown sealing

Jeremy Marston, Texas Tech University, Mohammad Mansoor, KAUST, Tadd Truscott, Brigham Young University, Sigg Thoroddsen, KAUST

V084. The splash within a collapsing cavitation bubble

Outi Supponen, Philippe Kobel, Mohamed Farhat, Ecole Polytechnique Federale de Lausanne

Milton van Dyke Award (Poster)**P0006. Taylor's Forest**

Daniele Foresti, Dimos Poulikakos

P0059. Portrait of a Flow in 3 Colors

Natalie Agre, Jun Zhang, Leif Ristroph, New York University

P0060. Matryoshka Cavity

Tate Fanning, Chris Mabey, Kyle Bodily, Randy Hurd, Zhao Pan, Madison Boyer, Tadd Truscott, Brigham Young University

Gallery of Fluid Motion Award (Poster)**P0007. Soap film visualization of 2D vortex shedding in VAWT**

Daniel Araya, John Dabiri, California Institute of Technology

P0034. The many faces of a Leidenfrost drop

Xiaolei Ma, Juan-Jose Lietor-Santos, Justin Burton, Emory University

P0036. Cellular two-dimensional flames

Christophe, Almarcha, Joel Quinard, Bruno Denet, Elias Al-Sarraf, Jean-Marie Laugier, Emmanuel Villermaux, Aix Marseille Université, France

Highlights of the 67th Annual DFD Meeting in San Francisco, California

The 2014 DFD meeting was held in November at the Moscone West Convention Center in San Francisco, CA. This meeting was the largest in DFD history, with over 2,800 contributed abstracts in 36 parallel sessions, 145 Gallery of Fluid Motion entries, and 105 posters from around the world of which 32 were part of the student poster competition.

In addition to the contributed abstracts, there were 4 award lectures and 8 invited talks.

Genevieve Comte-Bellot of the Ecole Centrale de Lyon, winner of the 2014 Fluid Dynamics Prize Award, gave the Otto LaPorte Lecture entitled "Turbulence and Aeroacoustics".

Eberhard Bodenschatz of the Max Planck Institute for Dynamics and Self-Organization, winner of the 2014 Stanley Corsin Award, gave the lecture entitled "Lagrangian Measurements in Turbulence: From Fundamentals to Applications".

Eric Vandre of the University of Minnesota, winner of the 2014 Andreas Acrivos Dissertation Award gave the lecture entitled "Onset of Dynamic Wetting Failure - The Mechanics of High-Speed Fluid Displacement".

Benjamin D. Mater, Simon M. Schaad and Subhas Karan Venayagamoorthy of the Colorado State University, winners of the Francois N. Frenkiel Award, gave the lecture entitled "Relevance of the Thorpe Length Scale in Stably Stratified Turbulence".

Jean-Marc Chomaz, LADHYX, Ecole Polytechnique-Paris, gave the lecture entitled "Art & Science Duality in Fluid Mechanics".

Thierry Poinso, CERFACS, Toulouse, gave the lecture entitled "Control and Simulation of Thermoacoustic Instabilities".

Howard A. Stone, Princeton University, gave the lecture entitled "Life on a Surface in a Low-Reynolds Number Flow".

Ann Almgren, Lawrence Berkeley National Laboratory, gave the lecture entitled "Low Mach Number Modeling of Stratified Flows".

Tim Colonius, California Institute of Technology, gave the lecture entitled "Cavitation in Ultrasound and Shockwave Therapy".

Thomas Peacock, Massachusetts Institute of Technology, gave the lecture entitled "In Pursuit of Internal Waves".

Viswanathan Kumaran, Indian Institute of Science-Bangalore, gave the lecture entitled “Transition to Turbulence in a Soft-Walled Microchannel”.

Fotis Sotiropoulos, University of Minnesota, gave the lecture entitled “Sand Waves in Environmental Flows – Insights Gained by LES”.

There were two Minisymposia:

Frontiers of Computational Science in Transport Phenomena

Honoring the Memory of Professor Howard Brenner

There were six Focus Sessions:

The Impact of Andy Acrivos on Today’s Fluid Mechanics Science I

Respiratory Bio-Fluid Dynamics I

The Impact of Andy Acrivos on Today’s Fluid Mechanics Science II

Respiratory Bio-Fluid Dynamics II

Superhydrophobicity and Drag Reduction I

Superhydrophobicity and Drag Reduction II

2014 Student Poster Competition Winners

The third annual Student Poster Competition was an opportunity for undergraduates and graduates to refine their presentation skills and network. Congratulations to the following winners:

Thermal and Combustion

Winner: F2.33 Modeling The Optimal Heat Transfer Fluidization Velocity In Gas-Fluidized Beds Thomas Predey, Jon Bougie, Aleksandr Goltsiker

General Fluid Dynamics

1st Prize: F2.6 Experimental Investigation Of Passive Shock Wave Mitigation Using Obstacle Arrangements Monica Nguyen, Qian Wan, Veronica Eliasson

2nd Prize: F2.4 On The Stability Of Homogeneous Three-dimensional Turbulent Flows Ananda Mishra, Sharath Girimaji

Film and Interfaces

Winner: F2.17 Mechanism Of The Lift Force Acting On A Levitating Drop Over A Moving Surface Masafumi Saito, Yoshiyuki Tagawa, Masaharu Kameda

Bio and Bio-Inspired

Winner: F2.19 The Recreation Of A Unique Shrimp’s Mechanically Induced Cavitation Bubble Ryan Miller, Christopher Dougherty, Veronica Eliasson, Gauri Khanolkar

Announcement

USNC/TAM provides partial sponsorship for AmeriMech symposia, which are intended to promote interactions among researchers in an area of contemporary interest in the mechanics of fluids and solids. It is expected that symposia will address topics of a specialized nature, will be small in size (about 50 participants) with minimal cost, have informal setting, encourage participation of young researchers, and promote interdisciplinary ideas and discussions. The deadline for proposals for AmeriMech Symposia is July 31. Please refer to this link for more information:

sites.nationalacademies.org/PGA/biso/IUTAM/PGA_086043

APS/DFD 2014-2015 Leadership & Contact Information

DFD members are invited to contact the DFD Leadership with suggestions and concerns.

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(12/15)

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(12/15)

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(12/17)

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(12/17)

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(12/17)

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(12/15)
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(12/15)

Ron Adrian
(12/16)

Jose Wesfreid
(12/15)

Harindra "Joe" Fernando
(12/16)

Genevieve Comte-Bellot
2014 Award Winner

Shelley Anna
(12/16)

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2-YEAR TERMS

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(12/15)
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Ugo Piomelli
(12/16)
Vice Chair

Demetrios Papageorgiou
(12/15)

Yuriko Renardy
(12/15)

Steven Wereley
(12/15)

Eberhard Bodenschatz
2014 Award Winner

Kate Stebe
(12/16)

Gary Leal
(12/16)

ACRIVOS AWARD SELECTION COMMITTEE
7 MEMBERS, STAGGERED
2-YEAR TERMS

"Bala" Balachandar
(12/15)
Chair

John Dabiri
(12/16)
Vice Chair

Arezoo Ardekani
(12/15)

Daniel Haworth
(12/15)

Pavlos Vlachos
(12/15)

Eva Kanso
(12/16)

Ching-Long Lin
(12/16)

FRENKIEL AWARD SELECTION COMMITTEE
7 MEMBERS, STAGGERED
2-YEAR TERMS

Sutanu Sarkar
(12/15)
Chair

Emmanuel Villermaux
(12/16)
Vice Chair

Peyman Givi
(12/15)

Arne Johansson
(12/15)

Rama Govindarajan
(12/16)

Jonathan Freund
(12/16)

Subhas Venayagamoorthy
2014 Award Winner

COMMITTEE ON MEDIA & SCIENCE RELATIONS
6 MEMBERS, STAGGERED
2-YEAR TERMS

Bud Homys
(12/15)
Chair

Phil Marcus
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