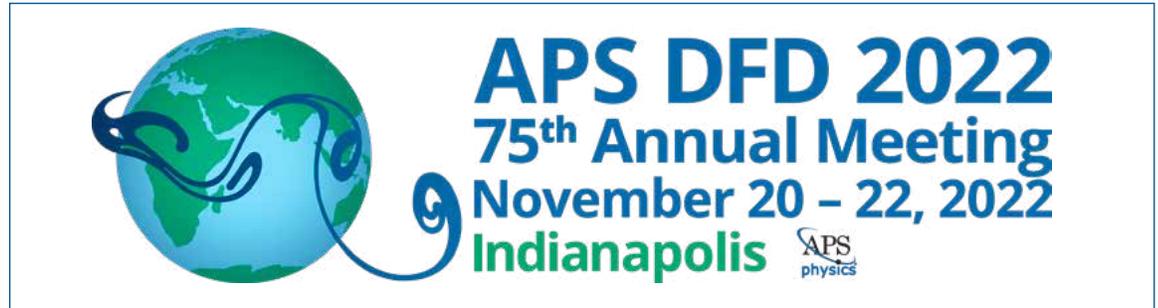




A DIVISION OF THE AMERICAN PHYSICAL SOCIETY

The 75th Annual Meeting of the American Physical Society, Division of Fluid Dynamics (DFD) will take place at the Indiana Convention Center in Indianapolis, Indiana, from Sunday, November 20 through Tuesday, November 22. A virtual component is also available. The meeting is hosted by Purdue University, the University of Indianapolis, IUPUI, and the University of Notre Dame.



## A Note from the 2022 Local Organizing Committee

The 75th Annual Meeting of the Division of Fluid Dynamics will be held in Indianapolis, Indiana on November 20-22. The overall theme of the meeting is Fluid Dynamics & the World's Grand Challenges. The meeting will be in person with a virtual component for those who cannot travel to Indianapolis. Registration for the conference will give access to both modes and you can switch modes prior to the meeting.

All presenters, regardless of attending in person or virtually, are expected to upload a 10-minute video of their presentation to the meeting platform. All poster presenters should upload a pdf of their poster along with a two-minute video. Only invited talks, minisymposia, and focus sessions will be recorded at the meeting and uploaded to the meeting platform contingent upon presenter consent. As the meeting approaches, emails will be sent to those presenting with details on how to upload videos. Recordings and presentation videos will be available to registered meeting attendees on the meeting platform until December 22, 2022.

New this year, there will be a Career Fair (CF) in addition to exhibits in the exhibit hall. There will be a series of Career Fair events/workshops starting Saturday at 5:30 pm at the convention center.

Covid-19-related guidelines for all APS-sponsored meetings have changed and may continue to change over the next month. For the most current information, go directly to the APS website.

APS strongly recommends the following guidelines for all in-person attendees:

- Being vaccinated and having had all available boosters
- Taking an at-home antigen test no more than 24 hours prior to arriving at the meeting or a PCR test no more than 72 hours prior to arriving at the meeting
- Completing the daily wellness attestation from WellCheck and avoiding participation if you experience symptoms and/or test positive for COVID-19
- Wearing a well-fitting mask during meeting activities
- While masking is not required at this time, APS will be tracking local infection rates. APS reserves the right to mandate masking when the CDC transmission rate is "high" in the county where a meeting is being held.
- Physical distancing from others when possible
- Practicing good hygiene and hand washing

We look forward to a successful meeting in November and welcome the opportunity to meet in person.

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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 of APS.



Arezoo Ardekani  
Purdue University  
Meeting Co-Chair



Luciano Castillo  
Purdue University  
Meeting Co-Chair

## 2022 Meeting at a Glance

This year's meeting will have an overall theme of Fluid Dynamics & the World's Grand Challenges. The local organizing committee seeks to highlight the impact of fluid dynamics research on global challenges, such as education and inequality, water security, climate change, renewable energy, health, and our understanding of the universe.

### Presentation Information for Virtual & In-person Attendees

- All oral and virtual presenters who register for the meeting are expected to upload a 10-minute video of their presentation to the conference platform prior to the meeting. If you are unable to attend, the uploaded video will be shown to in-person attendees in Indianapolis in the room and time slot of your scheduled oral presentation.
- All poster presenters are also expected to upload a pdf of their poster and are strongly encouraged to upload a two-minute video of their poster.
- All Q&A on the meeting website will be asynchronous and independent from the in-person meeting.
- Award sessions, invited talks, and a small number of key sessions will be recorded during the conference and included on the virtual platform contingent upon author consent.
- Videos/posters will be available on the meeting platform to registered attendees until December 22, 2022.

### Why Upload Your Presentation?

Uploading your presentation to the virtual meeting platform benefits the entire DFD community – and you!

- Expands the reach of your research so virtual attendees can see your presentation, including those from around the world who may not be able to travel the distance to attend in person or those locally who are not able to travel.
- Allows attendees to view presentations that overlap on the schedule.
- Allows attendees to re-listen to a talk after the conference.
- Allows attendees to refer other registered attendees to talks of particular interest to their study area.
- Ensures in-person presenters that their talk will be available to all attendees should unforeseen circumstances (such as illness) prevent them from coming.

**NEW THIS YEAR:** There will be an award for the most-watched video on the meeting platform. Details to come.

### FLUID DYNAMICS AND THE WORLD'S GRAND CHALLENGES



### Hotel Information

To keep conference registration rates as low as possible, it is crucial for participants to book their stay at a conference hotel using the links provided on the meeting website.

Please note:

- A valid credit card is needed to guarantee your reservation.
- The deadline for the discounted hotel rates is Sunday, October 23, or earlier if hotels sell out.
- Smoking is not permitted in hotels.
- Both the Westin and Crowne Plaza are connected to the Indiana Convention Center by a covered sky bridge.
- More hotels to come – based on demand.

### BEWARE OF HOUSING SCAMS!

Tech-savvy scammers create fake reservations and websites that look legitimate. If you make your reservation through these sites, you risk not having a hotel room when you arrive and no recourse.

### Westin Indianapolis (Headquarter Hotel)

241 W. Washington St., Indianapolis, Indiana

Ideally situated in the heart of downtown Indianapolis, the Westin Indianapolis is connected to the Indiana Convention Center by a covered sky bridge. The hotel recently completed an extensive multimillion-dollar, property-wide renovation, which included transforming the hotel's public space, re-designing all guestrooms, and the debut of new dining venues.

### Rates

Single/Double/Triple/Quad: \$179 + tax (currently 17%)  
Rates include:

- Complimentary wireless internet for Marriott Bonvoy members (join for free at <https://www.marriott.com/loyalty.mi>)
- Coffee maker, safe
- A 24-hour complimentary, state-of-the-art fitness center

### Deadline for hotel reservations

The deadline for the discounted hotel rate is Monday, October 23, or earlier if the hotel sells all the rooms set aside.

### Cancellation

You may cancel your reservation for no charge before 11:59 PM local hotel time, three days before your arrival. Please note that the hotel will assess a fee of one night's room and tax USD if you must cancel after this deadline.

### Parking

Discounted rate for APS attendees staying at the hotel: \$40/ daily

### Crowne Plaza Indianapolis Downtown Union Station

123 West Louisiana St., Indianapolis, Indiana

Listed on the National Register of Historic Places, the hotel features a convenient downtown location connected to the Indiana Convention Center. Previously a train station, the hotel has lots of exposed ironwork and some Pullman train cars converted to guest rooms. The hotel's accommodations promise a comfortable stay in a unique, historic setting.

### Rates

Single/Double/Triple/Quad: \$159 + tax (currently 17%)

Rates include:

- Complimentary wireless internet access, Keurig coffee maker, and small refrigerator in all guest rooms
- Indoor pool
- Complimentary access to the on-site fitness center

### Deadline for hotel reservations

The deadline for the discounted hotel rate is Monday, October 23 or earlier if the hotel sells all the rooms set aside.

### Cancellation

A charge on one night's room and tax will apply for reservations not canceled within 48 hours of arrival date.

### Parking

The hotel offers a Valet Parking overnight rate of \$45 with in/out privileges.

### Registration

Registration is OPEN!

Please visit the meeting website to register for the 2022 APS-DFD meeting: <https://www.apsdfd2022.org/register/>

There will be one fee for attending the 2022 APS/DFD meeting regardless of whether you will be attending in person or virtually. For best pricing, please register on or before Friday, October 14, as rates increase on Saturday, October 15. When registering, please indicate how you plan to attend the meeting. However, you may change your participation status at any time without a fee.

### Registration Fees In-Person or Virtual

	Received on or before 10/14	Starting 10/15
Member/ Reciprocal Rate .....	\$640	\$840
Non-Member .....	\$925	\$1,010
Graduate Member** .....	\$330	\$450
Retired Member (with APS Senior Membership) .....	\$350	\$445
Undergraduate Member** .....	\$135	\$195
Conference Reception Ticket (guests & undergrad registrants) .....	\$115	\$115
Networking events++	\$10 per event	\$10 per event

++ This fee covers a small portion of the meal served during the following events:

- All the Faces of Fluid Dynamics
- Fluids Education
- Student Lunch
- Underrepresented Minorities in Research
- Women in Fluid Dynamics
- Young Investigator Workshop

### \*\* Student Registrants

APS student members may register for the meeting online at a discounted member rate. If you are not an APS member, you can JOIN NOW by contacting APS directly or going to <https://aps.org/membership/> and clicking on "Student Membership." If you do not wish to become an APS member, you must pay non-member rates.

First-year membership is free for first-time students and includes (2) free Divisions or Topical Groups for all students.

### Cancellations

- Requests for cancellations will be honored through October 14 and processed minus an administrative fee of \$50.
- After October 14, registration fees are non-refundable.

Need Assistance with Registration? Email [registrar@aps.org](mailto:registrar@aps.org)

### Photo Release

DFD will take photographs and videos at the APS/DFD meeting. By registering for the meeting and its associated events, you agree to allow APS to use your photo and video footage in APS-related publications, materials, websites, or promotions.

## 2022 Scientific Program

For 2022, the scientific program will consist of eight invited lectures on topics of broad interest to the DFD community. The program will also include three Minisymposia and six Focus Sessions dealing with exciting current research.

### Awards Recipients

Each year the APS Division of Fluid Dynamics presents the Fluid Dynamics Prize, the Stanley Corrsin Award, the François Frenkiel Award for Fluid Mechanics, and the Andreas Acrivos Dissertation Award in Fluid Dynamics. The 2022 award winners are listed below and each awardee will give a lecture at the meeting.

### Fluid Dynamics Prize and Otto Laporte Lecture

This prize is awarded for outstanding contributions to fundamental fluid dynamics research. It 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 APS journal, *Physical Review Fluids*. It is awarded for outstanding contributions to fundamental fluid dynamics research.

### Recipient: Elisabeth Charlaix, Université Grenoble Alpes

Citation: For a ground-breaking exploration of the liquid-solid interface leading in particular to a quantitative understanding of the Navier slip condition, based on an exquisite surface force apparatus developed for this purpose.

### Lecture Title: Hydrodynamics of liquids at solid surfaces, from simple to complex fluids

### Stanley Corrsin Award and Lecture

This award recognizes and encourages a particularly influential contribution to fundamental fluid dynamics. It was established from an endowment fund contributed by the DFD and held by the APS and is intended to honor a recent achievement of especially high impact and significance, a particular discovery, or an innovation in the field.

This year there are two recipients of the Stanley Corrsin Award with the following citation:

For seminal and visionary contributions to the development of immersed boundary methods, and for elegantly applying these methods to reveal the physics of a wide variety of fluid flows in complex geometries, including animal locomotion and heart flows.

**Recipient I: Roberto Verzicco, Università di Roma "Tor Vergata", Rome, Italy & Gran Sasso Science Institute, L'Aquila, Italy & University of Twente, Enschede, The Netherlands**

**Lecture Title I: A multi-physics model of the human heart: an immersed-boundary implementation**

**Recipient II: Rajat Mittal, Johns Hopkins University**

**Lecture Title II: From beating hearts to flapping fins: Insights into biological flows empowered by high-fidelity immersed boundary methods**

### Andreas Acrivos Dissertation Award in Fluid Dynamics Lecture

This award recognizes exceptional early-career scientists who have performed original doctoral thesis work of outstanding scientific quality and achievement in the area of fluid dynamics. It was established in 1998 to honor the many outstanding contributions to fluid mechanics of Dr. Andreas Acrivos, particularly his years of distinguished editorship of *Physics of Fluids*. It is supported by donations from members and friends of the Division of Fluid Dynamics.

**Recipient: Daphné Lemasquerier, Aix-Marseille Université**

Citation: For an insightful and comprehensive study, based on innovative and elegant laboratory experiments, numerical analysis, and theoretical modeling, of the non-linear dynamics of Jupiter, including its shallow vortices, deep jets, and their complex interactions.

**Lecture Title: Insights into Jupiter's dynamics from laboratory experiments**

### François Frenkiel Award for Fluid Mechanics Lecture

The Division of Fluid Dynamics awards the François Frenkiel Award to young investigators to recognize significant contributions to Fluid Mechanics that have also been published during the previous year in *Physical Review Fluids*. Eligible authors must have not more than 12 years of full-time employment after their most advanced academic degree was awarded, before the paper's year of publication.

**Recipients: Nikhil Desai, Sébastien Michelin, Ecole Polytechnique**

Citation: For a remarkable combination of modeling, numerical simulations, and analysis that led to the characterization of the striking and counterintuitive dynamics of chemically-active particles near a wall.

**Lecture Title: Chemically-active drops swimming near a wall**

## Invited Talks & Posters

### Invited Talks

This year, the meeting will consist of eight invited talks on topics of broad interest to the DFD community.

#### **Irmgard Bischofberger, Massachusetts Institute of Technology**

Instabilities and flow-induced structures in lyotropic cholesteric liquid crystals

#### **Sanjeeb T. Bose, Stanford University**

Bridging the gaps for engineering design use of large-eddy simulations

#### **Catherine Gorré, Stanford University**

How cityscapes catch the wind: predicting wind loading and natural ventilation

#### **Raúl B. Cal, Portland State University**

Momentum transport in renewable energy systems: Wind farms and solar photovoltaic plants

#### **Corinna C. Maass, University of Twente**

Stop-and-go, swirling and self-throttling: Active droplets driven by chemohydrodynamic instabilities

#### **Monica Martinez Wilhelmus, Brown University**

Tracing the New Arctic: Is drifting sea ice a vorticity meter of the ocean?

#### **Sylvia Rodriguez-Abudo, University of Puerto Rico-Mayaguez**

Coastal bottom boundary layers: Transport phenomena and grain-scale dynamics

#### **Alfredo Soldati, Vienna University of Technology**

Modelling and computation of drops and bubbles in turbulence

### Minisymposia

#### **Astrophysical turbulence: Concurrent understanding and modeling challenges**

Organizers: Daniel Livescu and Chris Fryer, Los Alamos National Laboratory

#### **Reduced-order modeling in fluids via artificial and human intelligence**

Organizers: George Haller, ETH Zurich; Bernd Noack, Harbin Institute of Technology, Shenzhen

#### **The fluid mechanics of microplastics transport**

Organizers: Michelle DiBenedetto, University of Washington; Nicholas T. Ouellette, Stanford University

### Focus Sessions

#### **Diversity, inclusion, and equity**

Organizers: R. Ostilla-Mónico, University of Houston; T.A. Saxton-Fox, University of Illinois at Urbana-Champaign

#### **Fluids next: Soft body slamming fluids**

Organizer: Sunghwan Jung, Cornell University

#### **Transport phenomena in active biological networks**

Organizer: Amir Pahlavan, Yale University

#### **The fluid dynamics of medical imaging**

Organizers: Vitaliy Rayz and P. Vlachos, Purdue University

#### **Acoustofluidics**

Organizers: James Friend, University of California San Diego; Ofer Manor, Technion – Israel Institute of Technology

#### **Turbulence modeling in bubble- and particle-laden multiphase flows**

Organizers: Chris Lai, Georgia Institute of Technology; Rui Ni, Johns Hopkins University

### Poster Session

The meeting will have a Technical Poster Session and Student Poster Session on Monday afternoon in the Exhibit Hall.

Student posters will be judged and awarded 1st and 2nd Prize for “Best Poster” in several categories and winners will receive cash awards and certificates. Awardees will also be highlighted in the DFD Newsletter. The Student Poster Competition is a specific opportunity for graduate and undergraduate students to enhance their presentation skills and build their professional network.

### Gallery of Fluid Motion

The Gallery of Fluid Motion consists of posters and videos submitted by attendees illustrating the science — and often also the beauty — of fluid motion. Both computational and experimental entries are encouraged. Poster and video entries must not duplicate one another.

A panel will select outstanding entries based on artistic value, scientific content, and originality. The winning entries will be published as a special supplement to *Physical Review Fluids*. In addition, the top three winners in each category will be presented the Milton Van Dyke Award — consisting of a small monetary prize, a copy of the Album of Fluid Motion, and an award certificate.

For questions, please contact:

GFM Posters: Sally Bane, Purdue University, [sbane@purdue.edu](mailto:sbane@purdue.edu)  
GFM Videos: Sadegh Dabiri, Purdue University, [dabiri@purdue.edu](mailto:dabiri@purdue.edu)

Video and poster submissions are now closed. GFM Video Uploading Deadline has passed. Upload GFM Posters to

gfm.aps.org website and also print and bring your poster to the meeting.

Poster Hanging Instructions can be found on the meeting website at [www.apsdfd2022.org/program-events/](http://www.apsdfd2022.org/program-events/)

### Video and Poster Prize Ceremony

Video and poster authors should be in Exhibit Hall HI, Level One during the Afternoon Refreshment Break on Monday, November 21st, between 3:22 pm - 4:10 pm. Prize winners will be announced at this time.

### Career & Networking Events

Throughout the three-day meeting, DFD will offer networking events. Some of these events will be designated as Career Fair (CF) events, and these sessions are devoted to education and careers in fluid dynamics. All networking and CF events will take place at the Indiana Convention Center.

Attendees can sign-up for these events when they register for the conference. Space is limited, and most are for in-person attendees.

#### Costs for Events:

##### Networking Event Costs:

This year a \$10 fee will be charged for events which include a breakfast or lunch.

All in-person events will take place at the Indiana Convention Center. Space is limited.

##### Career Fair Event Costs:

Complimentary

### Peer Mentoring Program – New this year!

This year the Educational Career Outreach Committee is piloting a networking/mentoring program for DFD members. Members with experience (3+ years) attending the meeting will partner with first-time attendees, providing a source of information and an additional point of contact outside their research group. Each mentor-mentee pair is expected to meet once during the meeting (e.g., during a refreshment break or meal) to discuss how to maximize the meeting experience and to address any other professional development questions.

To find out more about the Program or to register, click [here](#) or contact Margaret Byron at [mbyron@psu.edu](mailto:mbyron@psu.edu).

NOTE: This information will also appear when you register. No Fee

### Saturday, November 19

#### Applying for and succeeding in ACADEMIA post COVID CF

5:30 pm – 6:45 pm

Organizer: Rui Ni, Johns Hopkins University; Varghese Mathai, University of Massachusetts Amherst

Sponsored by the DFD Committee on Educational and Career Outreach

#### Applying for and succeeding in INDUSTRY post COVID CF

7:00 pm – 8:15 pm

Organizers: Joseph Jewell, Purdue University; Todd Simmons, Rolls-Royce North America

#### Conversations with the APS Committee on International Freedom of Scientists (CIFS)

7:30 pm – 9:00 pm

Westin Indianapolis – Room TBD

Join us for an informal discussion and to learn about the APS' CIFS committee work that monitors concerns regarding threats against the human rights of scientists worldwide. The Committee makes recommendations to the APS leadership on actions that might help those scientists.

### Sunday, November 20

#### Physics careers workshop – marketing your skills to future employers CF

8:00 am – 8:52 am

Speaker: Crystal Bailey, Head of Career Programs, American Physical Society

This interactive workshop focuses on key professional development skills that are crucial for success in finding careers, particularly in non-academic settings. These include career planning and self-assessment, networking, writing effective résumés, interviewing and negotiating, and more. Light refreshments will be served.

#### Is graduate school for me? Applications, funding, preparing for the road ahead CF

8:52 am – 9:44 am

Speaker: Jacqueline E. McDermott, Associate Director of Graduate Diversity and Inclusion, College of Engineering, Purdue University

A Graduate degree can help undergraduate students gain experience and become a leader in their given field. Is a Master's degree or Ph.D. your next step? This presentation will demystify different graduate school degrees, what graduate school is like, and how to prepare as a junior and senior for graduate study. This session aims to discuss how students can prepare and be competitive for the graduate application process, as well as other topics, including funding, weighing job versus graduate school options, and how to engage in professional development programs (summer research, mentoring programs, etc.) to be competitive for graduate school.

### All the Faces of Fluid Dynamics

Fee: \$10

Lunch break: 12:55 pm – 2:20 pm, boxed lunch served  
Organizers: Raúl Bayoán Cal, Portland State University; David Hu, Georgia Institute of Technology

Several faculty will speak about their personal experiences with diversity in the workplace. The session will include self-introductions, a panel discussion, questions and answers from the audience, and a bit of mingling at the end. This session will help give underrepresented members of DFD, especially students, a safe place where their voices can be heard.

### Women in Fluid Dynamics

Fee: \$10

During the lunch break: 12:55 pm – 2:20 pm, boxed lunch served

Organizers: Margaret Byron, Penn State; Sungyon Lee, University of Minnesota; Valerie Troutman, Milwaukee School of Engineering

Sponsored by the DFD Educational and Career Outreach Committee

Networking lunch for female students, postdoctoral researchers, faculty and professionals

### Fluids Education

Fee: \$10

During the lunch break: 12:55 pm – 2:20 pm, boxed lunch served

Organizers: Mitul Luhar, USC; Haoxiang Luo, Vanderbilt University

Sponsored by the DFD Educational and Career Outreach Committee

This year's Fluids Education lunch will involve a panel-led discussion of best practices for student engagement and assessment, paying particular attention to promoting equity and inclusion in the classroom and beyond.

### Monday, November 21

#### Underrepresented Minorities in Research

Fee: \$10

6:45 am – 7:45 am, continental breakfast served

Organizers: Raúl Bayoán Cal, Portland State University; Luciano Castillo, Purdue University

An opportunity for fluid mechanics researchers from underrepresented minority groups to build community, network with others, and create a platform for mentoring.

#### Young Investigator Workshop

Fee: \$10

Lunch break: Noon – 1:25 pm, boxed lunch served  
Organizer: Guillermo Paniagua-Perez, Purdue University  
Directors from governmental agencies will lead a luncheon discussion on their funding awards programs for early career researchers. Attendees who attend this workshop must be registered for the DFD meeting and be eligible for at least one of the awards. Eligibility requirements and additional information can be found on the websites below:

- **AFOSR**
- **NASA**
- **NSF CAREER Program**

#### IN PERSON Student Lunch

Fee: \$10

During the lunch break: Noon – 1:25 pm boxed lunch served  
Organizers: Aaron Morris, Purdue University; David Richter, University of Notre Dame

An opportunity for students to join in discussion with a professor who specializes in a particular area of fluid dynamics. Click [here](#) for the topics presented and the professor leading each discussion.

#### VIRTUAL Student Lunch (for Virtual Attendees only)

There is no fee for the virtual student lunch event, although you must be registered for the meeting and be attending VIRTUALLY.

A link will be sent to registrants. Space is limited. No Fee  
During lunch break: Noon – 1:25 pm

Organizer: Jonathan MacArt, David Richter, University of Notre Dame

An opportunity for students to join in discussion with a professor who specializes in a particular area of fluid dynamics. Click [here](#) for the topics presented and the professor leading each discussion.

#### Early Career Award Winners: Lessons for Future Success **CF**

1:30 pm – 2:30 pm

Organizer: Guillermo Paniagua-Perez, Purdue University  
Speakers: Melissa Green, University of Minnesota; Anya Jones, University of Maryland; Mitul Luhar, University of Southern California

Early career award winners will present a summary of their funded research programs and some of their main objectives/findings. They will share their experiences on what helped them to define a successful project. They will also provide tips on managing their awards, which should help us become better researchers.

#### Meet the Editors of the Physical Review Journals Reception

6:50 pm – 7:50 pm

Organizer: APS

Editors are available to discuss the journals in a relaxed, casual setting. All are welcome. Light refreshments will be served.

#### Career Fair Sponsor

Be sure to visit the Sponsors in Exhibit Hall HI during the refreshment breaks to learn more about opportunities with their companies.

#### Exhibits

If you are interested in exhibiting this year, please contact Margaret McDonald for information: [Margaret2@meetingsandmore.net](mailto:Margaret2@meetingsandmore.net)

## Exhibitors

as of September 20



**AIP** Physics of Fluids



## Career Fair Sponsors



## Questions/Need Help?

### Abstracts

Abstracts and scientific program-related questions  
(Monday through Friday, 9:00 am – 5:00 pm EDT)  
abs-help@aps.org

### Accessibility

To request accommodation or for inquiries about  
accessibility, please contact Margaret McDonald at  
margaret2@meetingsandmore.net

### COVID-19 Questions

Please check the meeting website for updates on  
Covid-19 guidelines. Questions should be sent to:  
safemeetings@aps.org

### Exhibits

Margaret McDonald  
Margaret2@meetingsandmore.net

### Gallery of Fluid Motion Submissions

Posters: Sally Bane, Purdue University, sbane@  
purdue.edu  
Videos: Sadegh Dabiri, Purdue University, dabiri@  
purdue.edu

### Grants (Travel, Childcare, Persons with Disabilities)

Parisa Mirbod, pmirbod@uic.edu

### Letters of Invitation

A letter of invitation will be automatically emailed to  
you after you register for the meeting. If you need it  
before you register, please send an email to abs-  
help@aps.org. Allow 5-10 business days to receive  
your letter of invitation for a visa application.

Please include the words: "LETTER OF INVITATION"  
in the subject line, along with the following informa-  
tion

- Your name as it appears on your passport
- Your affiliation (company/university) and mailing  
address
- Your submitted abstract title

### Meeting Logistics / General Questions

dfd-help@meetingsandmore.net

### Membership

membership@aps.org

### Registration

registrar@aps.org

## 2022-23 New Executive Committee Members

The following are the newly elected members of the DFD Executive Committee. Terms of the Vice Chair and Members-at-Large will begin immediately after the close the 2022 APS DFD meeting. The APS Councilor's term begins January 1, 2023.



Jonathan Freund  
University of Illinois at Urbana-Champaign  
Vice Chair



Howard Stone  
Princeton University  
APS Councilor



Jacqueline Chen  
Sandia National Laboratories  
Member-at-Large



Lisa Fauci  
Tulane University  
Member-at-Large



Alireza (Navid) Hooshanginejad  
Brown University  
Early Career Member-at-Large

### Future APS/DFD Meetings

#### 2023: Washington, DC

Meeting Co-Chairs  
Kenneth Kiger, University of Maryland  
Michael Plesniak, George Washington University

#### 2024: Salt Lake City, UT

Meeting Co-Chairs  
Marc Calaf, University of Utah  
Henry Fu, University of Utah

#### 2025: Houston, TX

Meeting Co-Chairs  
William Anderson, University of Texas-Dallas  
Paul Krueger, Southern Methodist University

# APS/DFD 2021-2022 Leadership

## EXECUTIVE COMMITTEE

Chair:  
Detlef Lohse  
University of Twente

Chair-Elect:  
Anne Juel  
University of Manchester

Vice Chair:  
Anette E. Hosoi  
Massachusetts Institute of  
Technology

Past Chair:  
John O. Dabiri  
Caltech

Secretary/Treasurer:  
Daniel J. Bodony  
University of Illinois at Urbana-  
Champaign

Councilor:  
Howard A Stone  
Princeton University

Member-at-Large:  
Alison L Marsden  
Stanford University

Member-at-Large:  
Satish Kumar  
University of Minnesota

Member-at-Large:  
Arezoo M Ardekani  
Purdue University

Member-at-Large:  
Roberto Zenit  
Brown University

Member-at-Large:  
Dennice F Gayme  
Johns Hopkins University

Member-at-Large:  
Timothy E Colonius  
Caltech

Early Career Member-at-Large:  
Sarah Morris  
Auburn University

## NOMINATING COMMITTEE

Ivan Marusic, Chair  
Eckart Meiberg, Vice Chair  
Anne de Wit  
Dan Henningson  
Marcus Herrmann  
Ellen Longmire  
Bruce Sutherland  
Roberto Zenit

## PROGRAM COMMITTEE

Anne Juel, Chair  
Peko Hosoi, Vice Chair  
Emmanuel Villermaux, March  
Meeting Liaison  
Arezoo Ardekani  
Luciano Castillo  
Gianluca Iaccarino  
Tom Peacock  
Michael Plesniak  
Kathy Prestridge  
Sarah Waters

## DIVERSITY & INCLUSION COMMITTEE

Raúl Bayoán Cal, Chair  
Teresa-Ann Saxton-Fox, Vice  
Chair  
Felippo Coletti  
Melissa Green  
Satish Kumar  
Rodolfo Ostilla Monico  
Laura Villafane Roca  
Thomas Ward  
Ke-Qing Xia

## AD HOC COMMITTEE ON FORMAT OF NOVEMBER 2022 MEETING

Anne Juel, Chair  
Detlef Lohse  
Peko Hosoi  
Daniel Bodony  
John Dabiri  
Arezoo Ardekani  
Luciano Castillo  
Peggy Holland  
Monica Malouf  
Marcus Herrmann  
Ho-Young Kim  
Elizabeth Guazzelli

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