



FALL 2021 MEETING DIVISION OF FLUID DYNAMICS

November 21-23, 2021

Phoenix Convention Center
Phoenix, AZ

Last day to register using this form:
November 10, 2021

PERSONAL INFORMATION

| | | | |
|---------------------|----------------|-------------------------|---------|
| First Name | Middle Initial | Family Name (Last Name) | |
| Affiliation | | APS Membership ID# | |
| Institution Address | | | |
| City | State | Zip | Country |
| Daytime Phone | | Email | |

REGISTRATION TYPE

| | ADVANCE RATE THROUGH OCT 15 | ON-SITE RATE OCT 16 THRU NOV 23 |
|-----------------------------|---------------------------------|------------------------------------|
| APS Member | <input type="checkbox"/> \$ 570 | <input type="checkbox"/> \$ 750 |
| Reciprocal Member | <input type="checkbox"/> \$ 570 | <input type="checkbox"/> \$ 750 |
| Non-Member | <input type="checkbox"/> \$ 825 | <input type="checkbox"/> \$ 900 |
| Graduate Member* | <input type="checkbox"/> \$ 295 | <input type="checkbox"/> \$ 400 |
| Undergraduate Member* | <input type="checkbox"/> \$ 120 | <input type="checkbox"/> \$ 175 |
| Retired Member | <input type="checkbox"/> \$ 310 | <input type="checkbox"/> \$ 400 |

*Graduate/undergraduate students who are not APS Members must pay the Non-Member rate unless joining at the time of registration. First year is free for first time Members. Includes (2) free Divisions or Topical Groups for all students. Undergraduate registration does not include a ticket to the Sunday night reception. A ticket may be purchased separately at the time of registration.

Subtotal Registration: _____

OPTIONAL ITEMS

Guest Sunday Reception Evening Ticket _____ # of tickets x \$115

Undergraduate Sunday Evening Reception Ticket _____ # of tickets x \$115

Free Optional Events (see next page for registration information)

Subtotal Optional Items: _____

REQUIRED PAYMENT

If by check, make payable to American Physical Society in U.S. dollars and drawn on a U.S. bank. Purchase orders are not accepted.

AMEX VISA Discover Diner's Club MasterCard Credit card number _____

Name of cardholder _____ Card holder phone # _____

Signature _____ Expiration date _____ CVV _____

Please mail or fax this registration form by November 10, 2021 to:
Don Wise, APS Meetings Department, One Physics Ellipse, College Park, MD 20740-3844
Fax: (240) 582-9369 with credit card payment only.

If you have not received confirmation of your registration prior to departure for the meeting, please contact APS at registrar@aps.org. Requests for cancellations must be received in writing by **NOVEMBER 10, 2021**. All cancellations will be assessed a \$50 cancellation fee. Registration fees are not refundable after November 10, 2021.

TOTAL PAYMENT: _____

OPTIONAL EVENTS

THERE IS NO FEE FOR ANY OF THE BELOW EVENTS

Saturday, November 20 • *time to be announced*

- Advice on Applying to Faculty and Postdoctoral Positions

Sunday, November 21 • *during lunch (exact time will be available once the program is set)*

These events include lunch. Choose only ONE of the three below:

- Young Investigators Workshop
- Fluids Education Workshop
- All the Faces of Fluid Dynamics

Monday, November 22 • *7:00–8:00 am*

- Underrepresented Minority Researchers Breakfast

Monday, November 22 • *during lunch (exact time will be available once the program is set)*

These events include lunch. Choose only ONE of the two lunches below:

- Women in Fluids Networking Lunch
- Student Lunch • *refer to website for full description and select table preference*
 - Table 01: Multiphase–computational modeling - DNS/LES - international experience**
Olivier Desjardins, Cornell University
 - Table 02: Hypersonics, sustainability, hydrodynamic instability, turbulence, national lab vs. academia**
Devesh Ranjan Georgia Institute of Technology
 - Table 03: Turbulence, particle-laden flow, interfacial flow, experimentation**
Ellen Longmire, University of Minnesota
 - Table 04: Multi-physics, turbulence, DNS/LES**
Krishnan Mahesh, University of Minnesota
 - Table 05: Extreme-scale computing, intermittency in turbulence, mixing of passive scalars, turbulent dispersion, low-magnetic-Reynolds-number MHD turbulence**
P. K. Yeung Georgia Institute of Technology
 - Table 06: CFD, bubble dynamics, interfacial instabilities**
Eric Johnsen, University of Michigan
 - Table 07: Environmental fluid mechanics, turbulence, experimental**
Blair Johnson, University of Texas at Austin
 - Table 08: Experimental fluid mechanics, multiphase flow, turbulence**
Rui Ni, John Hopkins University
 - Table 09: Computational Fluid Dynamics, Turbulence, DNS/LES, Multiphase Flows, Numerical Algorithms**
Sourabh Apte, Oregon State University
 - Table 10: Topic, Low-Reynolds-number flows; complex fluids; interfacial phenomena**
Howard Stone, Princeton University
 - Table 11: Atmospheric boundary layer, wind engineering, bluff body flows, computational fluid dynamics, uncertainty quantification**
Catherine Gorle, Stanford University
 - Table 12: Combustion/reactive flows, shear layer instabilities, and detonations**
Ann Karagozian, University of California, Los Angeles
 - Table 13: Experimental methods, coastal/ocean hydrodynamics, turbulent canopy flows, freesurface flows**
Sharath Girimaji, Texas A&M University
 - Table 14: Experimental methods, coastal/ocean hydrodynamics, turbulent canopy flows, freesurface flows** Tracy Mandel, University of New Hampshire