

VIRTUAL

CHICAGO
APS DFD 2020

November 22-24

EXHIBITOR WORKSHOPS

Tuesday, 24 November 2020

10:00 CST (Chicago), 16:00 GMT

All participants are invited to join the following Workshops offered by DFD Exhibitors on Tuesday, 24 November, 10:00 am (Chicago/CST). Links to these Workshops, included in the APS epitome, are available [here](#).

W19

[Fluid Mechanics at Cambridge University Press](#)



CAMBRIDGE
UNIVERSITY PRESS

Join us for a virtual and interactive “Meet the Editors” workshop.

You will hear a talk from our *Flow* Editor-in-Chief, Prof Juan G. Santiago (Stanford University), about our new journal launch [Flow: Applications of Fluid Mechanics](#), an open-access sister title to the [Journal of Fluid Mechanics](#). You will also be able to meet several *Flow* and *JFM* Editors, including Prof. Grae Worster (*JFM* Editor-in-Chief). Ask any questions or queries and find out about “What does an Editor look for in a paper?”. In addition, Steve Elliot and David Tranah will be delighted to talk with you about your projects. There will also be the opportunity to find out about the latest books and other publications in Fluid Mechanics.

SPEAKERS

Prof Juan G. Santiago, Editor-in-Chief, *Flow: Applications of Fluid Mechanics*

Prof. Grae Worster, Editor-in-Chief, *Journal of Fluid Dynamics*

Steve Elliot, Senior Publishing Editor, Cambridge University Press

David Tranah, Editorial Director, Cambridge University Press

Plus additional editors from *Flow* and *Journal of Fluid Mechanics*

W18

[New seeding approaches for planar and volumetric velocity measurements](#)



Velocity measurements using planar PIV and volumetric PTV techniques provide quantitative information regarding fluid structures for flow research. These techniques are imaging-based and non-invasive, providing measurement results without intrusion of hardware into the measurement region affecting the flow field. One requirement for the techniques is to introduce seed particles that are used as tracers to represent the flow field. New approaches to generate and introduce seed particles to air and liquid flow measurements will be presented and discussed. Cleaner operation, expanded measurement size, and higher spatial resolution are some of the results achievable from the new seeding approaches.

SPEAKERS

Dan Troolin earned his Ph.D. from the University of Minnesota Department of Aerospace Engineering and Mechanics. He is a Senior Applications Engineer at TSI working with the Fluid Mechanics Division.



Wing Lai has a Ph.D. in Heat Transfer and Fluid Mechanics from the University of Minnesota. He has worked at TSI for more than 30 years, involved in product development of fluid diagnostics systems.

