



USACM News

April 2022

2022 USACM Executive Committee Election Results

Our thanks to all who participated in the USACM elections, both candidates and voters.

We are pleased to announce the new members of the USACM Executive Committee as follows:

Secretary-Treasurer:

Yongjie Jessica Zhang, Carnegie Mellon University

Members-at-Large (listed alphabetically):

John Evans, University of Colorado Boulder

Hector Gomez, Purdue University

David Littlewood, Sandia National Laboratories

Lucy Zhang, Rensselaer Polytechnic Institute

Congratulations!

TTA Corner

Computational Fluid Dynamics and Fluid-Structure Interaction

The CFD/FSI seminar series will continue April 19 at 3pm CDT with Prof. Guglielmo Scovazzi from Duke University presenting “The Shifted Boundary Method for CFD”. Prof. Suncica Canic from the University of California, Berkeley will join us on May 13 at 1pm CDT.

Registration is now open for Prof. Guglielmo Scovazzi’s seminar.

Novel Methods

The USACM Thematic Conference on Meshfree and Novel Finite Elements with Applications (MFEM) which was postponed due to the pandemic will be held September 25-27, 2022.

Abstract submission is now open. The deadline for submission is **May 1**. More information can be found on the conference website.

Isogeometric Analysis

[IGA2022](#) will be held in Banff, Canada November 6-9, 2022.

Registration is now open.

More information can be found on the conference website.

Uncertainty Quantification and Probabilistic Modeling

Abstract submission is now open for the [USACM Thematic Conference on Uncertainty Quantification for Machine Learning Integrated Physics Modeling \(MLIP\)](#) which will be held in Crystal city, Arlington, Virginia, August 18-19, 2022. The deadline for submission has been extended to **May 15**.

More information can be found on the conference website.

The TTA monthly webinar continues in May with two seminars being held.

- The first is May 5 at 2pm CDT and will feature Ioannis Kougoumtzoglou from Columbia University presenting “Path Integrals in Stochastic Engineering Dynamics”. George Deodatis from Columbia University will be the discussant.
- The second is May 12 at 2pm CDT and will feature Jian-xun Wang from the University of Notre Dame presenting “Leveraging Physics-Induced Bias in Scientific Machine Learning for Computational Mechanics”. Michael Brenner from Harvard University will be the discussant.

Join via Zoom (Meeting ID: 927 5654 8524/Passcode: 934745)

Large-Scale Structural System and Optimal Design

The TTA will host a mentoring program for graduate students this summer. If you are interested in learning more, please email Pablo Seleson at selesonpd@ornl.com

Subscribe to USACM YouTube Channel

This is a reminder that USACM now has its own [YouTube Channel](#). All Plenary and Semi-Plenary talks from USNCCM16 have been posted. We encourage you to subscribe in order to get information on the latest videos uploaded. With 100 subscribers, USACM will be able to obtain a branded URL for the channel.