



*USACM News*

**June 2022**

### **Melosh Student Paper Competition**

The 33<sup>rd</sup> edition of the Robert J. Melosh Competition for the best Ph.D. paper in Computational Mechanics will take place on October 21<sup>st</sup> 2022 (hybrid format). Important dates are provided below, and further information can be found on the competition website (<https://cee.duke.edu/about/awards-honors/melosh-medal/call-for-papers>):

**August 1:** Deadline for extended abstract submissions

**September 5:** Finalists notified of acceptance

**October 21:** Melosh Symposium at Duke University (hybrid format)

Best regards,

Johann Guilleminot & Guglielmo Scovazzi, Melosh coordinators

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## TTA Corner

### Computational Fluid Dynamics and Fluid-Structure Interaction

The CFD/FSI seminar series will continue Friday, June 17 at 4pm CST with Prof. Kenji Takizawa of Waseda University.

Registration is now open.

### 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.

### Large-Scale Structural System and Optimal Design

Following the success of the Large-Scale TTA Early-Career Colloquium in the spring semester 2022, we will continue with the colloquium in the fall semester 2022.

The colloquium will be held the first Wednesday of the month at 1pm CST. We will host three speakers (title and abstracts will be provided later on):

- October 5, 2022: Prof. Brendan Keith (Brown University)
- November 2, 2022: Prof. Hayoung Chung (Ulsan National Institute of Science and Technology)
- December 7, 2022: Prof. Xingsheng Sun (University of Kentucky)

Further details will be provided on the Large-Scale TTA webpage.

Registration is for the seminar series as a whole.

## Nanotechnology and Lower Scale Phenomena

Our next webinar will be June 29 from 2-3pm CDT. The speaker will be Prof. Markus Hütter from Eindhoven University of Technology speaking on “Molecular Approach to Plasticity in Polymer Glasses: A Journey” with Prof. Joerg Rottler from University of British Columbia as the discussant.

Join via Zoom: (Meeting ID: 845 4127 4013/ Passcode: 799065)

## 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.

Registration is now open.

More information can be found on the conference website.

## Uncertainty Quantification and Probabilistic Modeling

[USACM Thematic Conference on Uncertainty Quantification for Machine Learning Integrated Physics Modeling \(MLIP\)](#) will be held in Crystal city, Arlington, Virginia, August 18-19, 2022.

Registration is now open.

More information can be found on the conference website.