



USACM News

June 2025

USNCCM18

The [18th U.S. National Congress on Computational Mechanics](#) will be held July 20-24, 2025 in Chicago, Illinois. We are looking forward to welcoming you then.

- [Registration](#) is now open.
- Pre-congress [short courses](#) are now available to view.

2025 Melosh Competition at Duke University: Call for Abstracts

The **36th Annual Robert J. Melosh Competition** for the *Best Student Paper in Computational Mechanics* will be held at **Duke University** on October 10, 2025.

Current students, or those who graduated within one year of the deadline, are welcomed to submit an abstract. The deadline for submission is **July 20, 2024** (due by 5PM ET). Further details can be found on the [website of the competition](#). The winner, as determined

by external judges, will receive the Robert J. Melosh Medal and a \$500 prize.

If you have any questions, please feel welcomed to contact the Melosh committee:

[\(Amir\)Hossein Salahshoor](#) & [Johann Guilleminot](#) & [Guglielmo Scovazzi](#)

TTA Corner

Energy & Earth Systems

- [AIDT4ES](#), Austin, Texas, September 22-24, 2025.
[Registration](#) is now open.

Large Scale Structural Systems and Optimal Design

- Our next industrial colloquium will take place on **June 18, 2025 at 1PM CDT**. The speaker will be Assistant Professor Liwei Wang from Carnegie Mellon University speaking on "The Shape of Intelligence: Designing Smart Materials to Cloak, Morph, and Move".

Join via Zoom:

<https://us06web.zoom.us/j/87331120699?pwd=MExkQ085ZHh1aDc3ZnBwQzFIUHI4UT09>

Nanotechnology and Lower Scale Phenomena

- [Nanomaterials2025](#), Champaign, Illinois, September 15-17, 2025.
[Poster Abstract Submissions](#) are now open.
- Our next webinar will take place on **November 25, 2025 at 3PM EST**. The speaker will be Prof. Heather Kulik from Massachusetts

Institute of Technology.

Join via

Zoom: <https://us06web.zoom.us/j/84541274013?pwd=ZDhuM09BaUIVVlBuREhEV0sweGFIZz09>

Uncertainty Quantification and Probabilistic Modeling

- Our next webinar will take place on **September 18, 2025 at 3PM EDT**. The speaker will be Yue Yu from Lehigh University.

Join via Zoom:

<https://us06web.zoom.us/j/92756548524?pwd=cTFoRXIvNVN4dVFoaHEzK0pQQjhldz09>

Student Chapter Corner

- Our next seminar will take place on **June 16, 2025, at 12 PM EDT**. The speaker will be Brayan Murgas from Los Alamos National Laboratory speaking on "Phase Field Dislocation Dynamics formulation coupled with Fourier-based micromechanics solver: Application to grain boundary-dislocation interactions".

Join via Zoom:

<https://us06web.zoom.us/j/83451935254?pwd=SUh2eHlzTlRqVHJVb0pDbE1YWS95Zz09>

- Join the community online at the [USACM Student Chapter Discord Server](#).