



USACM News

April 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. **The registration deadline for presenting authors is TODAY.**
- Pre-congress [short courses](#) are now available to view.

**Euro International Innovations on Applied Mathematics, Sept
18-19, 2025**

The Euro International Innovations on Applied Mathematics Conference will take place on September 18-19, 2025 in Porto, Portugal. The deadline to [submit an abstract](#) is **May 28, 2025**.

TTA Corner

Energy & Earth Systems

- [AIDT4ES](#), Austin, Texas, September 22-24, 2025.
[Abstract Submissions](#) close today.
- Our next webinar will take place on **April 22, 2025 at 8AM PDT**.
The Speaker will be Assistant Professor Hannah Lu from The University of Texas at Austin speaking on “Data-Driven Modeling for Multiphase Flows in Porous Media”.
Join via Zoom:
<https://us06web.zoom.us/j/89805920868?pwd=UaxOZeVHZAs9BeKkjgRWbNadZYCIZo.1>

Large Scale Structural Systems and Optimal Design

- Our next webinar will take place on **April 30, 2025 at 1PM CDT**.
The speaker will be Carleton Coffrin from Los Alamos National Laboratory speaking on “A Brief Overview of Quantum Computing Hardware”.
Join via Zoom:
<https://us06web.zoom.us/j/87331120699?pwd=MExkQ085ZHh1aDc3ZnBwQzFIUHI4UT09>

Nanotechnology and Lower Scale Phenomena

- [Nanomaterials2025](#), Champaign, Illinois, April 14-16, 2025.

Uncertainty Quantification and Probabilistic Modeling

- Our next webinar will take place on **April 25, 2025 at 3PM EDT**.
The speaker will be Erin Acquesta from Sandia National Laboratories speaking on “Managing Uncertainty and Credibility

Assessments for Epidemiology Exascale Agent Based Models”.

Join via Zoom:

<https://us06web.zoom.us/j/92756548524?pwd=cTFoRXIvNVVN4dVFoaHEzK0pQQjhldz09>

Student Chapter Corner

- Our next seminar will take place on **April 26, 2025 at 2PM EDT**. The speaker will be Saikat Dan from Johns Hopkins University speaking on “A micromechanical model of fracture in piezoelectric composites using a cohesive-zone phase field approach”.
Join via Zoom:
<https://us06web.zoom.us/j/82464478256?pwd=ZMkJVFdjMJzadgnVWFpQsdUSs4qTaY.1>
- The Third USACM ANSYS Workshop is being organized by the USACM Local Student Chapter at the University of Pittsburgh on **April 26, 2025 from 9AM-5PM EDT**. For more detailed information on the Workshop and how to join please go [here](#).
- Join the community online at the [USACM Student Chapter Discord Server](#).