



USACM News

June 2026

USACM Launches New Continuing Education Initiative

USACM is pleased to announce the launch of its new Continuing Education Initiative, designed to provide year-round learning opportunities for students, researchers, educators, and industry professionals in computational mechanics and related fields.

As part of this initiative, USACM will offer short courses in a variety of formats—including live online, in-person, and pre-recorded programs—making it easier than ever for members to expand their knowledge and stay current with advances in the field.

We are excited to launch the program with two live online short courses:

NEML2: GPU Constitutive Modeling Library

- **Instructor:** Gary Hu, Argonne National Laboratory
- **When:** June 29 - July 1, 2026, 10:00am-2:00pm CDT
- **Where:** Link sent out following registration
- **Cost:** \$300/non-students; \$200/students

The Phase-Field Approach to Brittle Fracture: Theory and Numerical Implementation

- **Instructors:** Oscar Lopez-Pamies, University of Illinois Urbana-Champaign; John E. Dolbow; Duke University
- **When:** August 10 - August 13, 2026, 9:00am-11:00am EDT
- **Where:** Link sent out following registration
- **Cost:** \$300/non-students; \$50/students

We invite all members to explore this new professional development opportunity and join us as we launch this exciting initiative.

More information and registration details can be found [here](#).

WCCM-ECCOMAS 2026

The [17th World Congress on Computational Mechanics \(WCCM2026\)](#) and the [10th European Congress on Computational Mechanics in Applied Sciences and Engineering \(ECCOMAS2026\)](#) will take place on **July 19 - July 24, 2026** in **Munich, Germany**.

The WCCM/ECCOMAS Congress is co-organized by the International Association for Computational Mechanics (IACM) and the European Community on Computational Methods in Applied Sciences.

USNC/TAM'26

The [20th U.S. National Congress of Theoretical and Applied Mechanics](#) will be held on **June 21-25, 2026** in **Pasadena, California**.

[Registration](#) is now open.

Melosh Medal – Call for Papers

The 37th edition of the Robert J. Melosh Competition for the best Ph.D. paper in Computational Mechanics will take place on October 9th 2026. Important dates are provided below, and further information can be found on the competition website (<https://cee.duke.edu/about/awards/melosh/>) and on [this flyer](#):

July 20: Deadline for extended abstract submissions

August 24: Finalists notified of acceptance

October 9: Melosh Symposium at Duke University

Best regards,

(Amir)Hossein Salahshoor & Johann Guilleminot & Guglielmo Scovazzi,
Melosh committee

TTA Corner

Energy & Earth Systems

- Our next webinar will take place on **June 23, 2026 at 8:00AM PDT**. The speaker will be Shamina Shahrin Hossain-McKenzie from Sandia National Laboratories speaking on "griDNA: AI-powered Distributed Anomaly Detection".
Join via Zoom:
<https://us06web.zoom.us/j/89805920868?pwd=UaxOZeVHZAs9BeKkjgRWbNadZYCIzo.1>

Quantum Computing

- [Quantum Computing-Enabled Engineering: PDEs, Mechanics, and Design Optimization \(QC2026\)](#) will be held in Nashville, Tennessee on August 6-7, 2026.

Uncertainty Quantification and Probabilistic Modeling

- Our next webinar will take place on **September 17, 2026 at 3:00PM EDT**. The speaker will be Shanyin Tong from University of Pennsylvania.
Join via Zoom:
<https://us06web.zoom.us/j/92756548524?pwd=cTFoRXIvNVN4dVFoaHEzK0pQQjhldz09>

Student Chapter Corner

- Join the community online at the [USACM Student Chapter Discord Server](#).
- Our next seminar will take place on **June 18, 2026 at 1:00PM EDT**. The speaker will be Juan Diego Toscano from Brown University speaking on "GRAFT-ATHENA: Self-Improving Agentic Teams for Autonomous Discovery and Evolutionary Numerical Algorithms".
Join via Zoom:
<https://us06web.zoom.us/j/82464478256?pwd=ZMkJVFdjMJzadgnVWFpQsdUSs4qTaY.1>