



USACM News

September 2025

USNCTAM'26

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

USNCTAM'26 will foster and promote the exchange of ideas and information among the various disciplines of the theoretical and applied mechanics community around the world, and chart future priorities in mechanics related research, applications and education.

[Minisymposia proposal submission](#) **has been extended to September 30.**

EMI 2026

Join us at the Engineering Mechanics Institute Conference (EMI 2026) – the American Society of Civil Engineers (ASCE) premier annual mechanics conference.

EMI 2026 will provide a unique opportunity to participate in workshops led by regional and national laboratories, as well as leading experts in innovation. The conference will feature keynote presentations

highlighting groundbreaking advancements in structural and geotechnical mechanics.

We warmly invite you to explore Boulder, CO - a vibrant city where urban charm meets outdoor adventure. Just 30 minutes northwest of Denver, Boulder sits at the stunning intersection of the Rocky Mountains and the Great Plains. Known for its award-winning culinary scene, thriving arts community, lively downtown, and endless outdoor activities, Boulder offers the perfect blend of culture and nature.

[Minisymposia Submissions](#) are now open.

For more information please see this [flyer](#).

TTA Corner

Energy & Earth Systems

- [AIDT4ES](#), Austin, Texas, September 22-24, 2025.
[Registration](#) is now open.
- Our next webinar will take place on **September 30, 2025 at 8:30AM PDT**. The speaker will be Xiaojing (Ruby) Fu from California Institute of Technology speaking on "Phase-field modeling of microstructure evolution of icy porous media". Following this we will have another webinar take place on **October 14, 2025 at 9:00 AM PDT**. The speaker will be Rachael Alfant from Sandia National Laboratories speaking on "Performant Optimization of Power Systems: Resiliency, Operations, and Planning".
Join via Zoom:
<https://us06web.zoom.us/j/89805920868?pwd=UaxOZeVHZAs9BeKkjqRWbNadZYCIZo.1>

Nanotechnology and Lower Scale Phenomena

- [Nanomaterials2025](#), Champaign, Illinois, September 15-17, 2025. [Registration](#) is now open.
- Our next webinar will take place on **September 30, 2025 at 3PM EST**. The speaker will be Christoph Ortner from University of British Columbia.
Join via
Zoom: <https://us06web.zoom.us/j/84541274013?pwd=ZDhuM09BaUIVVlBuREhEV0sweGFIZz09>

Novel Methods in Computational Engineering and Sciences

- Our 2025 Fall Seminar Series will take place on **October 24, 2025 at 10AM EDT**. The first speaker will be Paola F. Antonietti, MOX from Laboratory for Modeling and Scientific Computing speaking on "Computational Modeling of Human Brain Neurodegeneration". The second speaker will be Amirhossein Arzani from University of Utah speaking on "Interpretable data-driven model discovery with global optimization: dynamical systems, ROMs, and operators".
Join via Zoom: <https://utah.zoom.us/j/84332086970>

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 speaking on "How Foundation Model Discovers Physics from Small Data?".
Join via
Zoom: <https://us06web.zoom.us/j/92756548524?pwd=cTFoRXlVNVN4dVFoaHEzK0pQQjhldz09>
-

Student Chapter Corner

- Join the community online at the [USACM Student Chapter Discord Server](#).
- Our next webinar will take place on **September 23, 2025 at 2PM EDT**. The speaker will be George Pasparakis from Johns Hopkins University speaking on "Joint space-time wind field data extrapolation using sparse representations and nonparametric Bayesian dictionary learning".

Join via Zoom:

<https://us06web.zoom.us/j/82464478256?pwd=ZMkJVFdjMJzadgnVWFpQsdUSs4qTaY.1>