



USACM News

May 2024

WCCM 2024

The [16th World Congress on Computational Mechanics \(WCCM2024\)](#) and [4th Pan American Congress on Computational Mechanics \(PANACM2024\)](#) will take place on **July 21 – July 26, 2024** in **Vancouver, BC, Canada**.

Submissions of [extended abstracts](#) are being accepted until **May 31**.

The WCCM/PANACM Congress is co-organized by the International Association for Computational Mechanics (IACM) and the Canadian Association for Computational Science and Engineering (CACSE).

ICOSSAR 2025

We are pleased to invite you to participate in the [14th International Conference on Structural Safety & Reliability \(ICOSSAR'25\)](#) which will be held on the campus of the University of Southern California in Los Angeles on **June 2-6, 2025**. We look forward to welcoming you to Los Angeles and to USC.

The submission portal for proposing sessions and minisymposia is open and the general abstract submission portal will open on **August 1, 2024**.

Melosh Medal – Call for Papers

The [35th edition of the Robert J. Melosh Competition](https://cee.duke.edu/about/awards-honors/melosh-medal/call-for-papers) for the best Ph.D. paper in Computational Mechanics will take place on October 14th 2024. 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>):

July 14: Deadline for extended abstract submissions

August 14 (tentative): Finalists notified of acceptance

October 14: Melosh Symposium at Duke University (on campus)

Best regards,

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

TTA Corner

Data-Driven Modeling / Uncertainty Quantification and Probabilistic Modeling

- [Second USACM Thematic Conference on Uncertainty Quantification for Machine Learning Integrated Physics Modeling](#)

[\(UQ-MLIP 2024\)](#) Crystal City, Arlington, Virginia, August 12-14, 2024.

Energy & Earth Systems

- Our next webinar will be on **June 24 at 10am CST**. The speaker will be Dr. Alejandro Mota from Sandia National Laboratories.

Join via Zoom:

<https://us06web.zoom.us/j/89805920868?pwd=UaxOZeVHZAs9BeKkjqRWbNadZYCIzo.1>

Isogeometric Analysis

- [IGA 2024](#), St. Augustine, Florida, October 27-30, 2024.

Uncertainty Quantification and Probabilistic Modeling

- Our next webinar will be on **June 10 at 1pm CDT**. The speaker will be Teresa Portone from Sandia National Laboratories speaking on "What if your governing equations are uncertain? Quantifying model-form uncertainty in model predictions".

Join via

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

Student Chapter Corner

- The USACM Student Chapter presents the **Computational Mechanics Student Mentorship Program (CMSMP)**, an initiative

aimed at connecting aspiring students with seasoned mentors in the field of Computational Mechanics. As a mentee, you can gain invaluable insights into the world of Computational Mechanics, receive guidance on academic and career pathways, and unlock the potential for future collaborations. As a mentor, you can make a significant impact by sharing your knowledge, supporting aspiring students, and fostering professional relationships. Don't miss your chance to be part of this exciting journey! Whether you're a mentor or mentee, your involvement is invaluable. More details can be found in the [signup form](#). Join us today!!

- The Student Chapter is looking for volunteer applicants for leadership positions. If you are interested in organizing and facilitating the Student Chapter as an Executive Member, send us your resume with a brief statement of your background or any events and ideas you would like to organize to studentchapter@usacm.org.
- Join the community online at the [USACM Student Chapter Discord Server](#)