



USACM News
February 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**.

[Early registration](#) and the registration deadline for presenting authors is **March 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).

New Conference

The [Second USACM Thematic Conference on Uncertainty Quantification for Machine Learning Integrated Physics Modeling \(UQ-MLIP 2024\)](#) will be held August 12-14, 2024 in Crystal City, Arlington, Virginia as a joint conference sponsored by both the [Uncertainty Quantification and](#)

[Probabilistic Modeling](#) and the [Data-Driven Modeling](#) technical thrust areas.

[Abstract submission](#) is now open until March 15.

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.

[Abstract submission](#) is open until March 15.

Energy & Earth Systems

- Our next webinar will be on **February 19 at 10am CST**. The speaker will be Dr. Lea Jenkins from Clemson University speaking on "Water Sustainability: Satisfying the Thirst of Stakeholders".

Join via Zoom:

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

Isogeometric Analysis

- [IGA 2024](#), St. Augustine, Florida, October 27-30, 2024.
[Abstract submission](#) is now open and will close on April 30.

Large Scale Structural Systems and Optimal Design

- [Workshop on Experimental and Computational Fracture Mechanics](#)
Baton Rouge, Louisiana, March 4-6, 2024.
[Register now.](#)

Novel Methods in Computational Engineering and Sciences

- [Quarter Century of Peridynamics](#), Tucson, Arizona, April 23-25, 2024
Abstract submission has been extended until March 1.

Uncertainty Quantification and Probabilistic Modeling

- Our next webinar will be on **March 11 at 1pm CST**. The speaker will be Assistant Professor Ziqi Wang from University of California, Berkeley speaking on "Extracting a surrogate model from results of dimensionality reduction in forward uncertainty quantification".

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](#)