



USACM News
March 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**.

Information on [extended abstracts](#) and the [poster session](#) are now available on the website.

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).

Quarter Century of Peridynamics

[Quarter Century of Peridynamics](#) will be held in Tucson, Arizona, April 23-25, 2024 at the El Conquistador Hilton Resort.

There is still time to submit an abstract for all who would like to participate.

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](#) has been extended to April 1.

Energy & Earth Systems

- Our next webinar will be on **March 18 at 10am CST**. The speaker will be Prof. Louis J. Durlofsky from Stanford University speaking on "Data assimilation and optimization frameworks for CO2 storage operations".

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.

Novel Methods in Computational Engineering and Sciences

- [Quarter Century of Peridynamics](#), Tucson, Arizona, April 23-25, 2024

Uncertainty Quantification and Probabilistic Modeling

- Our next webinar will be on **April 8 at 1pm CDT**. The speaker will be Dr. Amy Braverman from Jet Propulsion Laboratory speaking on "Uncertainty quantification for remote sensing data".

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](#)