



USACM News
October 2023

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**.

Abstract submission is now open. Please check the abstract [submission instructions](#) and the list of all [minisymposia](#). The deadline to submit your abstract is **January 15, 2024**.

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). This will be a fully in-person event.

**Announcing the Inaugural Computational Mechanics Student
Mentorship Program**

Are you a student with dreams of excelling in the field of Computational Mechanics? Or perhaps you are eager to guide and inspire the next

generation with the help of your experience? If so, you are in for an extraordinary opportunity!

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!!

For more information, feel free to contact us at studentchapter@usacm.org.

Note – All senior PhD students, postdoctoral researchers and working professionals (academia/national labs/industries) are encouraged to apply to be mentors. Any undergrad, master's or PhD student can apply to seek guidance from these experienced mentors.

TTA Corner

Large Scale Structural Systems and Optimal Design

- [Workshop on Experimental and Computational Fracture Mechanics](#)
Baton Rouge, Louisiana, March 4-6, 2024.
Poster abstract submission is open until November 30.

- The fall monthly early-career colloquium continues on November 1 from 1-2pm CDT and features Ricardo Baptista from California Institute of Technology speaking on “Toward large-scale inference and probabilistic modeling using gradient-based dimension reduction”

Join via Zoom:

<https://us06web.zoom.us/j/87331120699?pwd=MExkQ085ZHh1aDc3ZnBwQzFIUHI4UT09> (Meeting ID: 873 3112 0699; Passcode: 291410)

Uncertainty Quantification and Probabilistic Modeling

- Our next webinar will be on **October 19 from 2-3pm CDT**. The speaker will be Prof. Pinar Acar, Virginia Tech speaking on “Computational and data-driven design of Materials under uncertainty: Applications to metallic microstructures and beyond”

Join via Zoom:

<https://us06web.zoom.us/j/92756548524?pwd=cTFoRXIvNVN4dVFoaHEzK0pQQjhldz09> (Meeting ID: 927 5654 8524/Passcode: 934745)

Nanotechnology and Lower Scale Phenomena

- Quarter Century of Peridynamics, Tucson, Arizona, April 23-25, 2024

Abstract submission is open until January 15.

Student Chapter Corner

The Student Chapter is hiring! 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.