



*USACM News*

**November 2023**

**WCCM 2024**

The [16<sup>th</sup> World Congress on Computational Mechanics \(WCCM2024\)](#) and [4<sup>th</sup> 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**.

**Proposals for holding a short course** at WCCM/PANACM 2024 are now being accepted. The deadline to submit is **January 5**. Informations and a link to submit a proposal online may be found at [https://www.wccm2024.org/sc\\_proposal/](https://www.wccm2024.org/sc_proposal/)

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.

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## USNC/TAM Outreach Fellow Program

The USNC/TAM Subcommittee on Outreach and Education announces a new Outreach Fellow program. We are seeking applicants from the mechanics community who are interested in outreach to K-12 classrooms through virtual activities. Our inaugural class of ~12 Fellows will receive specialized science communication training and participate virtually in K-12 classrooms around the country throughout the 2024 calendar year.

Candidates should have completed a terminal degree in a mechanics-related subject and may be currently working in academia, industry, or government. A flyer with more information is attached and an [FAQ for applicants](#) is here.

Applications are due by December 1<sup>st</sup>, 2023.

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## 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 **December 6 from 1-2pm CST** and features Diacong De from Boise State University speaking on “Advances in Topological Design for Enhanced Fracture Resistance”

**Join via Zoom:**

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

## Nanotechnology and Lower Scale Phenomena

- Our next webinar will be on **December 6 from 2-3pm CST**. The speaker will be Dr. Timofey Frolov from Lawrence Livermore National Laboratory.

**Join via Zoom:**

<https://us06web.zoom.us/j/82257376834?pwd=kJTTVmmeVJBrDtTShdbyk9LHtr8V3O.1> (Meeting ID: 822 5737 6834/Passcode: 252408)

## Novel Methods in Computational Engineering and Sciences

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

**Abstract submission is open until January 15.**

## Uncertainty Quantification and Probabilistic Modeling

- Our next webinar will be on **November 16 from 1-2pm CST**. The speaker will be Prof. Sanjay Govindjee, University of California, Berkeley speaking on “Surrogate Nonlinear Structural Response Under Seismic Loads Using Probabilistic Learning on Manifolds (PLoM) with Constraints”

**Join via Zoom:**

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

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## 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 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](mailto:studentchapter@usacm.org).
- Join the community online at the USACM Student Chapter Discord Server.