



*USACM News*  
**December 2023**

**Season's Greetings**

USACM wishes everyone Happy Holidays and best wishes for the New Year.

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**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**. Information 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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## TTA Corner

### Large Scale Structural Systems and Optimal Design

- [Workshop on Experimental and Computational Fracture Mechanics](#)  
Baton Rouge, Louisiana, March 4-6, 2024.  
**The poster abstract submission has been extended to January 15.**

### Nanotechnology and Lower Scale Phenomena

- Our next webinar will be on **January 31 from 2-3pm CST**. The speaker will be Prof. Surya Kalidindi from Georgia Tech speaking on “Accelerated development of materials using high-throughput strategies and AI/ML”. The discussant will be Prof. Raymundo Arroyave from Texas A&M University.  
**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 **January 18 from 1-2pm CST**. The speaker will be Prof. Martin Ostoja-Starzewski from University of Illinois Urbana-Champaign speaking on “Tensor Random Fields in Mechanics”

**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

- Our second seminar will feature Merel Schalkers from TU Delft presenting their latest research on quantum computational fluid dynamics and will occur on **Friday, December 15, at 5:00 PM EST**. The presentation format will consist of a 25-minute talk followed by a 10-minute Q&A session.

Join Zoom Meeting

(<https://us06web.zoom.us/j/82464478256?pwd=ZMkJVFdjMJzadgnVWFpQsdUSs4qTaY.1>) Meeting ID: 824 6447 8256/Passcode: 003801

- 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.