



USACM News
January 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**.

Abstract submission is now open. Please check the abstract [submission instructions](#) and the list of all [minisymposia](#). The deadline to submit your abstract has been extended to **January 29, 2024**. As a reminder, this will be a fully in-person event.

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).

Call for Nominations: 2024 Rising Stars in Computational and Data Sciences Workshop

The 5th Rising Stars in Computational and Data Sciences Workshop is being held April 30-May 1, 2024, at the Oden Institute for Computational Engineering and Sciences at UT Austin. The event is co-organized by the Oden Institute and Lawrence Livermore, Los Alamos, and Sandia National Laboratories. Rising Stars is an intensive workshop for graduate students and postdocs who are interested in pursuing academic and research careers. A primary focus of the workshop is increasing the participation of underrepresented gender identities in computational and data sciences.

We are seeking nominations for outstanding candidates in their final year of PhD or within three years of having graduated (and not yet in a permanent faculty or staff position). All gender identities are welcome as nominees. We will select approximately 30 participants to come for two days of research presentations and interactive discussions about academic and research careers, with financial support for travel provided.

The nomination consists of sending (1) a letter of nomination and (2) a copy of the nominee's 2-page resume to Karissa Vail at karissa.vail@austin.utexas.edu with subject line "Rising Stars Nomination." More information can be found at <https://risingstars.oden.utexas.edu/>

Please consider nominating one of your outstanding current/recent PhD students or postdocs. Nominations are due January 29, 2024.

TTA Corner

Energy & Earth Systems

- Our first webinar will be on **January 22, 2024 at 8am ET/11am PT/5pm CET**. The speaker will be Prof. Ravindra Duddu from Vanderbilt University speaking on "Modeling Glacier and Ice-shelf Flow and Fracture Processes using Computation, Data and Machine Learning".

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.
The poster abstract submission has been extended to TODAY.

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/84541274013?pwd=ZDhuM09BaUVVlBuREhEV0sweGFIZz0> (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 TODAY.

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)

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](#)