



USACM News
August 2022

Call for USNCCM17 Minisymposium Proposals

The [17th U.S. National Congress on Computational Mechanics](#) is scheduled to be held July 23-27, 2023 in Albuquerque, New Mexico. We are looking forward to welcoming you then.

We are now soliciting [minisymposium proposals](#) for the congress. While we welcome minisymposium proposals from all areas of computational mechanics, we have designated seven areas of emphasis for this congress. They are Honorary Minisymposia, Computational Biological Systems, Computational Fluid, Solid and Structural Mechanics, Data-driven Modeling & Uncertainty Quantification, Specialized Methods in Computational Mechanics, Advanced Manufacturing, Materials, and Multiscale Methods and Special Topics.

You may submit your proposal online; the deadline to receive the proposals is October 15, 2022. Please contact admin@usacm.org if you have any questions.

Regards,
USNCCM17 Organizers

New Conferences of Interest

The organizing committee of the [SIAM International Meshing Roundtable](#) is inviting you to participate in the [2023 workshop \(IMR23\)](#), co-located with the [SIAM Conference on Computational Science and Engineering \(CSE23\)](#). The workshop will cover a wide range of topics, such as geometric modeling, mesh generation, computer graphics, simulation and visualization, to mention a few. Read more.

The 2nd IACM Conference on Mechanistic Machine Learning and Digital Engineering for Computational Science, Engineering & Technology ([MMLDE/CSET 2023](#)) will be held in El Paso, TX, September 24-27, 2023. The call for mini-symposium proposals will begin in September.

TTA Corner

According to the TTA Charter, each TTA is charged with the organization of at least one thematic conference in a two-year cycle. If you have an idea for a thematic conference, talk to your TTA leadership and fill out the thematic conference request form.

Isogeometric Analysis

[IGA2022](#) will be held in Banff, Canada November 6-9, 2022.

Registration is now open.

More information can be found on the conference website.

Large-Scale Structural System and Optimal Design

The TTA organized a summer mentoring program for USACM graduate students. Students were matched with a mentor from the academia, DOE

National Laboratories, or the industry for a virtual one-to-one meeting to discuss topics of interest to the students, including getting guidance on career paths and receiving advice on how to make the best of WCCM-APCOM 2022 for those students planning on attending the congress. Read more.

The first colloquium of the semester will be October 5 at 1pm CDT as we welcome Prof. Brendan Keith from Brown University. Further details will be provided on the Large-Scale TTA webpage. Registration is for the seminar series as a whole.

Nanotechnology and Lower Scale Phenomena

Our next webinar will be August 31 from 2-3pm CDT. The speaker will be Prof. Michael Shields from Johns Hopkins University speaking on “The Intersection of Machine Learning & Uncertainty Quantification in Physics-Based Modeling for Materials Systems”. The discussant will be Anter El-Azab from Purdue University

Join via Zoom: (Meeting ID: 845 4127 4013/ Passcode: 799065)

Novel Methods

The USACM Thematic Conference on Meshfree and Novel Finite Elements with Applications (MFEM) will be held September 25-27, 2022. Early registration **ends August 22**. More information can be found on the conference website.

Uncertainty Quantification and Probabilistic Modeling

[USACM Thematic Conference on Uncertainty Quantification for Machine Learning Integrated Physics Modeling \(MLIP\)](#) will be held in Crystal city, Arlington, Virginia, August 18-19, 2022.

Registration is now open.

More information can be found on the conference website.