



USACM News
October 2024

Ruth Hengst Retirement

Many of you know Ruth Hengst as the face of our USACM conferences. Ruth took on the job at USACM after a full career at University of Texas, assisting Professor Tinsley Oden for many years among other positions. She recently approached the USACM officers about needing to slow down and start a real retirement after 17 years of service to USACM. As of October 1, Ruth rotated off as our Executive Director and is working part-time supporting the transition and finalizing the work on setting up the USACM Foundation. Meanwhile, Ruth has spent the last few years mentoring Bethany Roicki to take over her position. On Ruth's retirement, Bethany transitioned into the role of Executive Director with support from Valarie Selio as the new Assistant Executive Director. Please congratulate Ruth on her retirement, and Bethany and Valarie on their promotions.

We congratulate Ruth on her many years of service to USACM and her exhaustive efforts to make our meetings and our association successful. We will miss Ruth and her steady hand running the association but are confident that Bethany is more than ready to be another steady hand.

- Rekha Rao, USACM President

USNCCM18

The [18th U.S. National Congress on Computational Mechanics](#) is scheduled to be held July 20-24, 2025 in Chicago, Illinois. We are looking forward to welcoming you then.

We are now accepting proposals for minisymposia. The deadline for minisymposia proposal [submission](#) **has been extended to October 31.**

Short Course Proposal [submissions](#) are now open. The deadline is **November 30.**

SIAM IMR Workshop 2025 – Call for full papers

The SIAM International Meshing Roundtable (IMR) Workshop 2025 solicits papers that exhibit novel meshing-related ideas, algorithms and applications.

We invite submissions related to all meshing topics, including (but not limited to) mesh generation/modification/adaptation, artificial intelligence and machine learning for meshing, meshing for scientific and high-performance computing, and meshing problems related to computer-aided design and computational geometry. Papers may also focus on how meshes are used in science and engineering applications, including geometric modeling, computer graphics, simulation, and visualization.

Important Dates:

- Preliminary decision regarding acceptance/revision/rejection: **4 December 2024**
- Final paper notification of acceptance: **8 January 2025**
- Final camera-ready papers due: **14 February 2025**

For further information about the SIAM IMR Workshop 2025, please see: <https://internationalmeshingroundtable.com/imr33/>

TTA Corner

Energy & Earth Systems

- Our next webinar will take place on **November 12, 2024 at 8AM PT**. The speaker will be Prof. Ning Lin from Princeton University speaking on "Tropical Cyclone Hazards and Risk in a Changing Climate".

Join via Zoom:

<https://us06web.zoom.us/j/89805920868?pwd=UaxOZeVHZAs9BeKkjqRWbNadZYCIZo.1>

Isogeometric Analysis

- [IGA 2024](#), St. Augustine, Florida, October 27-30, 2024. [Registration](#) is now open.

Large Scale Structural Systems and Optimal Design

- The TTA Large Scale Structural Systems and Optimal Design will host an industrial colloquium to bring together researchers from academia with industrial research scientists. We are proud to announce to kick-off the event in November with talks from General Motors Corporation and ANSYS.
- Our first industrial colloquium will take place on **November 6, 2024 at 1PM CT**. The speakers will be Georgios Michailidis and Sebastian Stahn from ANSYS speaking on "Structural Optimization for Industrial Applications using ANSYS". Our next industrial colloquium will take place on **November 13, 2024 at 1PM CT**. The speaker will be Simon Xu from General Motor Corporation speaking on "A Multi-disciplinary Stochastic Optimization (MDSO) Process to Improve Robustness of Full Vehicle Performance".

Join via

Zoom: <https://us06web.zoom.us/j/87331120699?pwd=MExkQ085ZHh1aDc3ZnBwQzFIUHI4UT09>

Nanotechnology and Lower Scale Phenomena

- Our next webinar will take place on **October 30, 2024 at 2PM CST**. The speaker will be Prof. Taher Saif from University of Illinois Urbana-Champaign speaking on "Living machines". The discussant will be Prof. Sulin Zhang from The Pennsylvania State University.

Join via

Zoom: <https://us06web.zoom.us/j/84541274013?pwd=ZDhuM09BaUIVVlBuREhEV0sweGFIZz0>

Novel Methods in Computational Engineering and Sciences

- Our Spring 2024 Seminar will take place on **October 18, 2024 at 10AM ET**. The speakers will be Prof. Yue Yu from Lehigh University speaking on "Nonlocal Attention Operator: Towards a Foundation Model for Material Responses", and Associate Prof. Emilio Martinez-Pañeda from University of Oxford speaking on "Unlocking the Challenge of Simulating Corrosion Through a New Phase Field Revolution".

Join via Zoom: <https://utah.zoom.us/j/96392789690>

Uncertainty Quantification and Probabilistic Modeling

- Our next webinar will take place on **November 14, 2024 at 2PM CST**. The speaker will be Assistant Professor Patrick Brewick from University of Notre Dame speaking on "Building Better Models for Hysteretic Dynamic Systems under Uncertainty".

Join via

Zoom: <https://us06web.zoom.us/j/92756548524?pwd=cTFoRXIvNVN4dVFoaHEzK0pQQjhldz09>

Student Chapter Corner

- 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](#)