



*USACM News*

**May 2023**

**USNCCM17**

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

- Registration is now open.
- NSF-sponsored Scholarship Aid is now available to cover the cost for the Academic Life Faculty Development Workshop short course on Sunday, July 23.

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### **New USACM Award**

In recognition of her outstanding accomplishments in the field of computational mechanics, USACM is pleased to announce the establishment of the Mary F. Wheeler Medal. The first award will be made in 2025.

USACM extends heartiest congratulations to Dr. Wheeler!

*The **Mary F. Wheeler Medal** is given in recognition of outstanding and sustained contributions to interdisciplinary and emerging areas including earth, environmental and energy sciences (EEES). These contributions shall generally be in the form of important research results that significantly advance the understanding of theories and methods impacting EEES and other emerging areas. Industrial applications and computational analysis that advance EEES shall also represent accomplishments worthy of recognition.*

More about Dr. Mary Wheeler

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## **New TTA**

The USACM Energy & Earth Systems TTA encompasses a broad range of topics involving the modeling and analysis of Earth systems and energy applications. Topics relevant to the TTA include: climate and Earth system modeling; climate couplings; geomechanics; wind, solar and nuclear energy; carbon sequestration, capture and storage; oil/gas recovery. The TTA will promote advancements in both traditional first principles-based modeling and simulation, as well as the development of innovative data-driven model reduction and analysis methods, applied to the aforementioned domains.

The inaugural committee is Irina Tezaur from Sandia National Laboratories, Steve WaiChing Sun from Columbia University, Yuri Bazilevs from Brown University and Clint Dawson from The University of Texas at Austin.

For questions, contact Irina Tezaur at [ikalash@sandia.gov](mailto:ikalash@sandia.gov).

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## In Memoriam: Professor Ivo Babuška

Ivo Babuška, a long-time USACM member and winner of the John von Neumann Medal, who made pioneering contributions in the fields of mathematics, applied mathematics, numerical methods and computational mechanics, died April 12, 2023 at age 97.



READ MORE

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## Melosh Medal - Call for Papers

The 34<sup>th</sup> edition of the Robert J. Melosh Competition for the best Ph.D. paper in Computational Mechanics will take place on October 16<sup>th</sup> 2023. Important dates are provided below, and further information can be found on the [competition website](#):

**June 30:** Deadline for extended abstract submissions

**August 14 (tentative):** Finalists notified of acceptance

**October 16:** Melosh Symposium at Duke University (on campus)

Best regards,

Johann Guilleminot & Guglielmo Scovazzi, Melosh coordinators

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## TTA Corner

Uncertainty Quantification and Probabilistic Modeling

Our monthly webinar series continues with the below speaker:

- May 25, 2pm CDT – Laura Swiler, Sandia National Laboratories speaking on “Uncertainty quantification and sensitivity analysis supporting performance assessment of nuclear waste repositories.”

**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**

Join the community online at the USACM Student Chapter Discord Server.