



USACM News

August 2025

2025 USACM Awards

We are pleased to announce the 2025 USACM Award winners. These were presented at the 18th U.S. National Congress on Computational Mechanics held in Chicago, Illinois on July 21.

John von Neumann Medal



Jiun-Shyan (JS) Chen, University of California, San Diego

For his seminal contribution to the numerical algorithms and software development of advanced finite element and meshfree methods and application to multiscale modeling of materials, solids, and coupled systems.

Belytschko Medal



Glaucio Paulino, Princeton University

For pioneering contributions to multiscale and multiphysics topology optimization, including its translation to industry, and its transformative applications to science and engineering.

Thomas J.R. Hughes Medal



Gianluca Iaccarino, Stanford University

For pioneering contributions to computational fluid dynamics, uncertainty quantification, and exascale computing, advancing theoretical and industrial applications in engineering, aerodynamics, and energy sciences.

J. Tinsley Oden Medal



Krishna Garikipati, University of Southern California

For outstanding contributions to computational science and scientific machine learning, drawing from applied mathematics and numerical methods, and with applications to the multi-scale modeling of biophysics and materials physics.

Mary F. Wheel Medal



Ronaldo Borja, Stanford University

For his outstanding contributions to computational poromechanics and computational plasticity that helped promote and advance research in earth, environmental, and energy sciences.

R.H Gallagher Young Investigator



Yue Yu, Lehigh University

For innovative and pioneering contributions of numerical methods and AI-based physics modeling in computational mechanics, especially advances in the development and analysis of new data-driven nonlocal models.

Fellows



Omar Ghattas, The University of Texas at Austin

For pioneering contributions to the theory and algorithms of PDE-constrained optimization and Bayesian inverse problems, and their high-impact application in computational mechanics.



Ming-Chen Hsu, Iowa State University

For outstanding and sustained contributions to computational fluid-structure interaction and development of high-fidelity and expeditious numerical methods for complex engineering problems, as well as dedicated service to USACM.



Caglar Oskay, Vanderbilt University

For significant contributions to the field of multiscale computational mechanics of composites and polycrystalline materials.



Haim Waisman, Columbia University

For the development of novel finite element methods in fracture and damage mechanics, multiphysics problems and topology optimization of structures, and for promoting computational mechanics in the US and abroad.

WCCM-ECCOMAS 2026

The joint [WCCM-ECCOMAS 2026](#) will be held July 19-24, 2026 in Munich, Germany.

Due to several requests and in order to give more colleagues the opportunity to participate in one of the largest upcoming events of our community — the joint [WCCM-ECCOMAS 2026](#) in Munich — the

deadline for the submission of Minisymposia proposals has been extended to **August 15, 2025**

We invite you to participate in this distinguished scientific and technical event by **submitting a proposal to organize a minisymposium** in a topic close to your expertise.

In accordance with the tradition of joint WCCM-ECCOMAS events, the conference will be open to the latest developments in all aspects of computational mechanics and applied mathematics. We particularly encourage proposals for minisymposia in new and developing areas that broaden the fields of application.

Please feel free to forward the call to other esteemed researchers who might be interested in contributing to this phase of the conference organisation.

Guidelines for the proposal and organisation of minisymposia and Special Technological Sessions (STS) as well as further information on WCCM-ECCOMAS 2026 may be found on the [conference website](#).

Key Date reminder: Sharp Deadline for submission of proposals for minisymposia is **August 15, 2025**

If you require more information, please do not hesitate to contact the secretariat: wccm-eccomas2026@cimne.upc.edu

TTA Corner

Energy & Earth Systems

- [AIDT4ES](#), Austin, Texas, September 22-24, 2025. [Registration](#) is now open.

- Our next webinar will take place on **September 16, 2025 at 8AM PDT**.

Join via Zoom:

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

Nanotechnology and Lower Scale Phenomena

- [Nanomaterials2025](#), Champaign, Illinois, September 15-17, 2025. [Registration](#) is now open.
- Our next webinar will take place on **September 30, 2025 at 3PM EST**. The speaker will be Christoph Ortner from University of British Columbia.

Join via

Zoom: <https://us06web.zoom.us/j/84541274013?pwd=ZDhuM09BaUIVVlBuREhEV0sweGFIz09>

Uncertainty Quantification and Probabilistic Modeling

- Our next webinar will take place on **September 18, 2025 at 3PM EDT**. The speaker will be Yue Yu from Lehigh University.

Join via

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

Student Chapter Corner

- Join the community online at the [USACM Student Chapter Discord Server](#).
- Our next webinar will take place on **August 25, 2025 at 3PM CDT**. The speaker will be Graham Pash from The University of Texas at Austin speaking on "Scalable Bayesian inference to enable

personalized clinical decision making in oncology".

Join via Zoom:

<https://us06web.zoom.us/j/82464478256?pwd=ZMkJVEdjMjZadgnVWFpQsdUSs4qTaY.1>