

Call for Expressions of Interest to organise the 2025 UKACM-GACM Autumn School



Dear UKACM and GACM members,

We are thrilled to announce an exciting opportunity for enthusiastic research groups to organise the **2025 UKACM-GACM Autumn School** focusing on theoretical aspects of computational mechanics combined with hands-on practical activities for research software development. The 2025 UKACM-GACM Autumn School aims to foster knowledge exchange, collaboration, and skill development among professionals, researchers, and students in the field.

This initiative follows the successful organisation of the first [UKACM Autumn School in 2023](#) on *Mixed finite element formulations in solid mechanics* by the Glasgow Computational Engineering Centre, and the second [UKACM-SEMNI Autumn School in 2024](#) on *Data-Centric engineering in Computational Mechanics* with contributions from University of Cambridge, CIMNE and Universidad de Zaragoza.

Interested parties are invited to submit an expression of interest (**maximum 2 pages**) to both the UKACM and GACM representatives, outlining:

- Their background and expertise in Computational Mechanics.
- Their vision and objectives for the proposed Autumn School.
- The proposed theme and potential speakers.
- The hands-on activities.

We particularly encourage applications focusing on the broad themes of **Enabling Technologies for Computational Engineering and Open-Source Research Software**, covering topics such as:

- High-Performance Computing
- Preprocessing and Mesh Generation, Postprocessing, and Visualization
- Data-Driven Model Discovery
- Scientific Machine Learning
- Uncertainty Quantification
- Digital Twins in Engineering

Selected organisers will be responsible for:

- Developing a comprehensive online course that aligns with the latest developments in the field.
- Inviting and securing commitments from expert speakers and instructors.
- Coordinating logistics, including scheduling, platform selection, and technical support.
- Promoting the event to ensure broad participation.
- Facilitating hands-on and interactive sessions.

Submission Deadline: 15th April 2025

A committee of UKACM and GACM executive committee members will evaluate the expressions of interest based on relevance, hands-on activities, and the organisers' ability to deliver a successful event. Priority will be given to proposals that include teams from both societies.

The selected organisers **will be notified by 22nd April 2025**. The Autumn School is expected to be an online event with no registration fee, scheduled to take place during the last two weeks of September 2025, with a duration of 3 to 5 days. Speakers will be expected to deliver 5 to 8 hours of content per day, including lectures, tutorials, and online interactive computer sessions

We believe that this Autumn School will be a catalyst for knowledge-sharing and collaboration between UKACM and GACM. We look forward to receiving your expressions of interest and working together to create a meaningful and impactful event.

Sincerely,

Jelena Ninic, UKACM President, j.ninic@bham.ac.uk

Alexander Popp, GACM Executive Council, alexander.popp@unibw.de