

**EMI Structural Health Monitoring and Control Committee**  
**Student Paper Competition**

*Organized by: EMI Structural Health Monitoring and Control (SHMC) Committee*

The ASCE EMI-Structural Health Monitoring and Control (SHMC) Committee is pleased to announce the Annual Student Paper Competition in the areas of structural health monitoring, system identification, smart materials and structures, and structural control.

**Purpose:**

- To foster active participation of emerging professionals in EMI conferences, specifically in structural health monitoring and control.
- To facilitate young professionals' interactions with SHMC committee members and each other, promoting professional development, community bonds, and leadership roles.
- To enhance technical writing and presentation skills while encouraging high-quality submissions to the flagship journals of EMI, like Journal of Engineering Mechanics.

**Requirements:**

- Participant must be a current student and lead author of an abstract in SHMC areas, including but not limited to structural health monitoring, system identification, smart materials and structures, and structural control.
- One abstract can only be submitted to an EMI conference student competition. The submission will be disqualified if the same paper is also submitted to another competition organized by a different EMI technical committee at the conference.
- Key dates for the authors:
  - The abstract must be submitted to the EMI website by Dec. 31, 2023 – You will need to submit a formal EMI abstract to be eligible to attend the student competition.
  - Express interest by emailing Prof. Susu Xu (sxu83@jhu.edu) with abstract details by March 1, 2024.
  - Submit a full paper (max 4 pages) following the SHMC template to Prof. Susu Xu (sxu83@jhu.edu) by April 1, 2024.
- The full paper must be submitted in two versions: original with authors and affiliations; anonymized version without author details.

**Deadlines:**

- December 31, 2023 - Abstract submission deadline (EMI abstract deadline).
- March 1, 2024 - Express interest in participating by emailing Prof. Susu Xu (sxu83@jhu.edu)
- April 1, 2024 - Submit both versions of the full paper (max 4 pages) to Prof. Susu Xu (sxu83@jhu.edu)

**Prizes:**

Three winners named SHMC Student Paper Competition Winners, each receiving a cash prize and certificate of commendation from the SHMC committee.

**Student finalists will be invited to submit an extended version of their papers for a by-invitation-only special collection on Journal of Engineering Mechanics (example from previous years: [https://ascelibrary.org/jenmdt/emi\\_student\\_finalist\\_papers](https://ascelibrary.org/jenmdt/emi_student_finalist_papers)).**

**Process:**

- Expert judges from the SHMC committee will review anonymized manuscripts. The review process will be double-blinded. The reviewers shall not have conflict of interest with the submissions.
- The panel will select top papers (approximately 5 finalists) based on the review feedback.
- The selected papers will be presented by student participants in the conference, tentatively after the EMI SHMC committee meeting.
- SHMC committee members, who are present at the special session and are not co-authors of the selected top papers, will vote anonymously to rank the presentations.
- The three final winners will be announced during the EMI conference, usually at the conference banquet.

**Contact:** Susu Xu, [sxu83@jhu.edu](mailto:sxu83@jhu.edu)