

2021 EMI Structural Health Monitoring and Control Committee Student Paper Competition

Sponsored 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 increase the involvement of younger professionals in the EMI conferences, particularly in the area of structural health monitoring and control.
- To allow them to interact with the SHMC committee members and to promote further growth as engineers, develop stronger bonds within the SHMC community, and take responsibilities within the technical community.
- To improve their technical writing and presentation skills, as well as to promote high-quality submissions to the flagship journal of EMI, the ASCE Journal of Engineering Mechanics.

Requirements:

1. Due to the cancelation of EMI 2020 conference, many 2020 abstract submissions are being directly transferred into EMI 2021. **For the 2021 SHMC student paper competition, only new papers associated with a new EMI 2021 abstract submission will be accepted.** The paper submitted to the 2021 SHMC student paper competition can describe follow-up work from previous submissions, but the paper must contain new results and be at least 50% different from any previous submission (<https://www.ithenticate.com/>).
2. The participant for this competition must be a student at the time of submission, and be the lead author of an abstract in the areas of structural health monitoring, system identification, smart materials and structures, and structural control submitted to the EMI abstract submission website by the conference abstract deadline (<https://www.emi-conference.org/program/call-abstracts>). Submission to an SHMC sponsored mini-symposium is encouraged but not required.
3. Forward the abstract acceptance notification from the organizers as a proof of acceptance.
4. Express interest in participating in the competition by sending an email with the abstract number, authors, and affiliations to Prof. Fernando Moreu (fmoreu@unm.edu) by February 15, 2021.
5. Following the required template provided by the SHMC committee, submit a 4-page full paper to the competition organizing committee. Email to Prof. Fernando Moreu (fmoreu@unm.edu) by March 15, 2021. The student must write the paper as the leading author and should conduct the majority of the work associated with the manuscript. Each student may submit only one paper to the competition as the leading author.
6. The paper must be submitted in two versions. The first version is the original paper with authors and affiliations. The second version should be anonymized by deleting the author list and affiliations, while the rest of the second version has to be exactly the same as the first version.
7. If the paper is selected as among the finalists, the student participant must register at the EMI 2021 conference and present the paper in a special SHMC session at the EMI conference (whether it is in person or virtual).

Deadlines:

- February 15, 2021 – Express interest in participating by emailing Prof. Moreu at fmoreu@unm.edu (see details above.)

- March 15, 2021 – Email your 4-page full paper due (see #4 and #5 under “Requirements”) to Prof. Moreu at fmoreu@unm.edu (see details above.)

Prizes:

- Three winners will be selected and named as the SHMC Student Paper Competition Winners.
- A certificate of commendation shall be sent to each winner by the SHMC committee.

Process:

- A panel of three or more expert judges from the SHMC committee will review the manuscripts. To avoid conflict of interest, the judges shall not be co-author of any of the competing papers.
- The selected top papers (approximately 5 finalists) will be presented by the student participants in a special session at the EMI conference, which will be in addition to the regular presentation within the conference.
- 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.