

Call for Papers

Mechanics Division
2022 Annual Conference & Exposition
June 26-29, 2022
Minneapolis, Minnesota

The ASEE Mechanics Division solicits papers for the Annual Conference & Exposition to be held in Minneapolis, MN, June 26-29, 2022. Areas of interest include theory, practice, and assessment in all areas of engineering mechanics education, ranging from the foundational courses Statics, Dynamics, Mechanics of Materials, and Fluid Mechanics, to advanced-level topics such as Finite Element Analysis, Fracture Mechanics, Vibrations, and Acoustics. Suggested topics, as they pertain to mechanics education, include, but are not limited to:

- Projects, laboratories, experiments, or demonstrations
- Assessment of teaching and learning
- Horizontal or vertical curricular integration of mechanics
- Development and deployment of innovative teaching methods or practices
- Integration of emerging topics and/or implementation of best practices

Abstracts should be approximately 500 words in length and provide a clear statement of the objective, relevance to mechanics education, assessment methods, and results. Authors of accepted abstracts will be required to prepare a full paper for peer review prior to publication in the conference proceedings. To be successful a paper must demonstrate an appropriate level of scholarship. The division strongly encourages that authors conduct meaningful assessment of outcomes and report on the results of this assessment. Papers that provide no assessment should be marked as “Work-in progress” upon submission. A submission of this paper type **MUST** have a title that begins with “Work-in-Progress:” with the colon separating the “Work-in-progress” phrase from the remainder of the title.

Papers accepted for publication must be presented by at least one registered conference participant in a designated technical session or at a poster session held in the Exhibit Hall, as designated at the time of final submission. Potential exists for joint sessions with the Mechanical and Civil Engineering Divisions should sufficient cross-over occur to justify these sessions.

In addition, the Division will sponsor its annual Classroom Demonstrations Session, which will feature presentations by mechanics instructors of some of the toys and demonstrations that they use to illustrate concepts and energize their classes. Presenters will be asked to upload documentation of their demonstrations to the Division’s Hands-On Mechanics website (<http://www.handsonmechanics.org/>). Proposals for demonstrations should include a brief description of the classroom demonstration and how it will be presented at the conference; these are not submitted as papers, but rather by direct communication with the Division Program Chair by the Draft Paper deadline that typically occurs in March prior to the conference.

Important Paper Deadlines – see link below:

(<https://www.asee.org/annual-conference/2022/paper-management/important-deadlines>)

Inquiries and questions may be directed to the 2021-2022 Mechanics Division Program Chair:

Phil Cornwell

United States Air Force Academy

phil.cornwell@afacademy.af.edu or cornwell@rose-hulman.edu