ASEE Mathematics Division: CALL FOR PAPERS

The Mathematics Division of the American Society for Engineering Education welcomes papers for presentation at the 2022 Annual Conference & Expo in Minneapolis, MN, June 26-29, 2022

Abstracts in consideration should address educational or pedagogical issues regarding mathematics in engineering education. We invite abstracts from all divisions of ASEE as well as from non-ASEE members. Topics of particular interest include, but are not limited to:

- Strategies and their impacts supporting diversity and inclusion in mathematics courses
- Innovative teaching techniques and their impacts on outcomes in mathematics courses.
- Use of technology and/or software in the teaching and learning mathematics
- Issues, concerns, or problems in the teaching of mathematics to engineering students.
- Impacts of math courses or math pathways on subsequent engineering student outcomes
- Interplay between mathematical training of engineering students and ABET outcomes
- Mathematical learning outcomes measured in non-mathematics engineering courses
- Statistics, applied math, or other mathematics course content essential to engineering.
- Collaborative educational projects between mathematics and engineering
- Mathematics education strategies to broaden participation in engineering
- Preparation of mathematics graduate students to teach engineering students

Abstracts of 250-500 words should provide a clear objective statement of the paper's relevance to the engineering and mathematics community, any assessment methods used, and the results. Papers that are conceptual in nature should adequately reference literature describing the foundation upon which the concept builds. Work in progress papers are welcome and should include a clear description of the theoretical basis for the study, the current state of the study, and a plan for future data collection and analysis. References in all cases should be in reputable and reliable venues such as refereed journals. Papers that report original empirical findings should display or provide a link to the original empirical data.

Authors may be invited to be a reviewer other abstracts and papers. At least one author for each accepted paper is expected to register for and present at the conference.

BLIND PEER REVIEW occurs for both abstracts and papers. **PLEASE DO NOT** include the names of institutions or authors anywhere in the abstract or draft paper. Abstracts and draft papers that include authors' names or the names of institutions will be rejected. Submission is via the ASEE Monolith system in accordance with published ASEE deadlines. ASEE Peer presents a collection of past conference proceedings, which may be accessed or searched at: https://peer.asee.org.

Questions? Please contact:

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Abstract submission opens October 11, 2021
and closes November 8, 2021

All submissions accepted electronically through
http://asee.org

Submission detail along with abstract and paper guidelines are available in the submission portal's Author's Kit