

The **MECHANICAL ENGINEERING DIVISION (ME)** invites papers for the 2018 ASEE Annual Conference in all areas of mechanical engineering education that involve the following topics:

1) innovative teaching and learning strategies; **2)** course and curriculum assessment and improvement and ABET strategies; **3)** laboratory courses (including experiments) and hands-on projects; **4)** capstone design programs and design throughout the curriculum; **5)** integrating research and education; **6)** integrating mathematics into the mechanical engineering curriculum; **7)** faculty career management; **8)** industry involvement in academia; **8)** outreach programs; **9)** inverted learning or “classroom flipping;” **10)** distance education; **11)** national competitions; and **12)** diversity, as well as other trends in mechanical engineering education.

Papers involving the integration of the humanities, the fine arts, the social- behavioral sciences, the physical sciences, electrical engineering, materials engineering and other topics in mechanical engineering courses and curricula are also appropriate. Other areas of interest include, but are not limited to: **1)** educational aspects of thermal/fluids and energy systems; **2)** mechanical systems; **3)** smart materials and structures; **4)** MEMS; **5)** mechatronics; **6)** nano- and bio-mechanical systems; **7)** computers and information technology; **8)** sustainable design; and **9)** additive manufacturing.

Both abstracts and draft papers are reviewed using a double-blind process. **Submissions of both abstracts and draft papers are not to include any identifying information regarding authorship or institutional affiliation;** failure to comply with this directive may result in the rejection of the submission. Please refer to the Author’s Kit, available at the ASEE Annual Conference web site, for a copy of the official Abstract and Paper Format Guidelines. All submissions are expected to adhere to these specified formatting requirements. Please note that abstract acceptance does not guarantee paper acceptance.

The ME Division is a “**publish-and-review-to-present**” division: to present at the conference, you must have your paper accepted for publication in the Proceedings and have at least one author available to participate in the peer review process for both abstract and draft paper submissions. Papers accepted for publication must be presented by at least one registered conference participant in a designated technical session or the poster session held in the Exhibits Hall, as designated at the time of final submission, in order for the paper to remain in the conference proceedings.

The division sponsors a Best Paper award consisting of a plaque and cash prize. The ME division also issues official certificates in recognition of papers nominated for the Best Paper award. The ME Division also sponsors the Ralph Coats Roe Award for excellence in engineering education as well as the Outstanding New Mechanical Engineering Educator Award for exceptional individuals early in their engineering education career.

Work in Progress Papers: These papers present on work that is still in the process of study and/or implementation for which results will not be available by the time of draft paper submissions, for studies where the results are as yet inconclusive, and for studies for which authors are seeking feedback from the community. Each submission must have a title beginning

with “Work in Progress: ...” All WIP papers accepted for publication will be assigned to either (1) a poster or (2) a postcard session to allow their authors ample opportunity for extended conversations regarding their research. Postcard sessions are a special-format session allowing WIP authors to pitch their work with a two-slide overview of their work in five minutes or less, followed by extended time in session for discussion with and feedback from the attendees.

Questions may be directed to the Program Chair: David Mikesell, Mech. Eng. Dept., Ohio Northern University, 525 S. Main St., Ada, OH 45810, d-mikesell@onu.edu, or to the Division Chair: CDR Michael Benson, United States Military Academy, 752 Thayer Road Room 206, West Point, NY 10996; michael.benson@usma.edu.