

Call for Papers

Dear Energy Conversion, Conservation and Nuclear Engineering Division (ECCNED) Members,

I hope that your semesters are off to a great start! Although the last two annual conferences were held online, we are planning to return to an in-person conference next year in Minneapolis, Minnesota. The conference will be held from June 26-29, 2022. The conference website is: <https://www.asee.org/annual-conference/2022>

If you are interested in organizing or participating in a workshop or panel session at the conference, please email me as soon as possible. Panels and Workshops must be requested no later than November 22, 2021. Panels must also submit an abstract, which will be used as the description for the panel session, and they may also submit a full paper.

Abstract submissions for conference papers will open on October 11, 2021 and will close on November 8, 2021. Abstracts should be 400 words or less and should include a brief introduction, a statement about the focus of the paper, the work which has been done, assessments, and a conclusion. All abstracts must be submitted via the ASEE paper management system and will be peer reviewed.

Topics may include (but are not limited to):

- Innovative research and its dissemination into grades P-20
- Innovative teaching and learning strategies
- Research methods to assess teaching pedagogy and learning strategies
- Curriculum content innovation
- Pandemic related changes to pedagogy
- Innovative remote learning teaching and learning strategies
- Hands-on Projects for grades P-20
- Novel experiments and use of laboratory equipment and their impact on learning
- Integrating research and engineering education
- Impact of problem-based learning, collaborative learning, cooperative learning, discovery learning and inverted learning
- Outreach programs that involve energy conversion and conservation industry
- Renewable Energy Sources
- Manufacturing – all processes including 3D printing
- Energy conversion technologies
- Energy storage technologies
- Engineering for sustainability and emissions reductions
- Worldwide energy supply/demand issues
- Electrical distribution and power systems
- Industrial and commercial scale energy conversion and conservation
- Nuclear engineering technologies
- Discipline-specific engineering research relating to energy conversion and conservation (electrical, mechanical, nuclear, chemical, aerospace, civil, computer, textile, petroleum, biological, agricultural, natural resources, etc.)
- Role of engineers in the formulation and enforcement of public policy related to energy

- Research Experiences for Undergraduates (REU) projects related to energy conversion or conservation.

In addition to traditional full conference papers, the ECCNED Division will be accepting Works in Progress (WIP). Work-in-Progress papers report on work that is in the process of study and/or implementation for which results will not be available by the time of draft paper submission, for studies that are as yet inconclusive, and for studies at an early to intermediate state for which authors are seeking feedback from the community. A submission of this paper type **MUST** have a title that begins with “Work-in-Progress:” with the colon separating the phrase from the remainder of the title. WIP papers may be assigned to a poster presentation session to allow authors to maximize the opportunity for extended conversations regarding their ongoing research. WIP papers are not eligible for the Division’s Best Paper Award.

The 2022 ASEE Annual Conference and Exposition Author's Kit, Plagiarism Guidelines, and Best Paper Rubric can be found on the “For Authors” section of ASEE conference website. All ASEE papers are published to present. Papers accepted for publication in the Proceedings must be presented by at least one registered conference participant in a designated technical session or poster session. ECCNED will not accept papers that overlap significantly in content that has been (or will be) published elsewhere. All authors are expected to adhere to the guidelines put forth in the Author’s Kit and Plagiarism Guidelines. Of particular importance is the “double-blind” requirement.

The ECCNED Division has a best paper award that is presented at the division’s business meeting at the annual conference. The division also participates in the conference best diversity paper award by the nomination of a paper submitted to the division.

If you are interested in reviewing abstracts and/or papers or have any questions about the submission process, please let me know by sending an email to maldema@ilstu.edu.

Thank you very much for your time and your participation! We welcome your wonderful ideas, and we look forward to seeing you in Minneapolis!

Sincerely,
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ASEE Program Chair – Energy Conversion, Conservation, and Nuclear Engineering Division