Call for Papers: 2023 ASEE Annual Conference

Energy Conversion, Conservation and Nuclear Engineering Division (ECCNED)

The Energy Conversion, Conservation and Nuclear Engineering Division (ECCNED) of the American Society for Engineering Education (ASEE) invites the submission of both Full papers and Work-in-Progress (WIP) papers for the 130th ASEE Annual Conference and Exposition to be held in Baltimore, Maryland, USA from June 25–28, 2023.

The conference website is: https://www.asee.org/events/Conferences-and-Meetings/2023-Annual-Conference. ECCNED encourages the submission of papers related to conventional, renewable, and nuclear energy engineering education in the following topic areas, including but not limited to:

- Innovative teaching & learning strategies (including remote & hybrid teaching/learning)
- Research methods to assess teaching pedagogy and learning strategies
- Experiments and use of laboratory equipment and their impact on learning
- Integrating research into energy engineering education
- Service-learning projects
- Curriculum content innovation
- Impact of problem-based learning, collaborative learning, cooperative learning, discovery learning and inverted learning
- Renewable energy sources and systems
- Energy storage technologies
- Energy conservation and smart energy management using emerging IoT technologies
- Distributed generation and smart grids
- Engineering for energy sustainability and emissions reduction
- Nuclear energy engineering education
- Emerging energy harvesting 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.)
- Outreach programs involving energy conversion and conservation
- Innovative research and its dissemination into grades P-20
- Hands-on projects for grades P-20
- 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.

Important Note: Both abstract and draft paper review processes are double-blind. Therefore, please omit names of authors and institutions (and any other identifying information) from the abstract and the draft paper. 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 2023 Annual Conference website, for the Abstract and Draft Paper Format Guidelines. All submissions are expected to adhere to the specified formatting requirements.

Workshops and Panel Sessions: If you are interested in organizing or participating in a workshop or a panel session at the conference, please email your proposal to the ECCNED Program Chair, Dr. Sandip Das at sdas2@kennesaw.edu as soon as possible. Workshops must be requested no later than December 5, 2022. Panels must submit an abstract (by the abstract submission deadline), which will be used as the description for the panel session, and they may also submit a full paper. All workshop hosts and panelists must be registered for the conference in order to conduct the proposed session.

The ECCNE Division will accept abstracts for:

1) **Full Paper:** The criterion for a full paper is that it represents, at the time of draft paper submission, work that is complete, containing actual results and analysis to support significant conclusions for peer review. Full papers are expected to be no longer than 12 pages in length. Minor allowances may be made at the Program Chair's discretion, but excessively long papers may be rejected without review.

2) **Work-in-Progress (WIP) Paper:** In addition to traditional full conference papers, the ECCNE Division will accept Work-in-Progress (WIP) papers. WIP 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.

For both the above-mentioned tracks, an abstract must be submitted. If the abstract is accepted, then a draft paper submission will be requested for peer review. Note that abstract acceptance does not guarantee paper acceptance. The ECCNE Division highly encourages submissions from members and non-members who have not presented at previous ASEE conferences, particularly for the WIP track.

Abstract submission will open on October 3, 2022 and will close on October 31, 2022. ASEE's paper submission process and timelines are explicit, and the program chair CANNOT override them. Abstracts submitted to ECCNED should be between 250–500 words 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 (double-blinded). All important dates and deadlines for authors can be found at the conference website. The 2023 ASEE Annual Conference and Exposition Author's Kit, Plagiarism Guidelines, Paper Procedures, and other important information can be found at the "For Authors" section (under 'Paper Management') of the conference website. All ASEE papers are published to present. Papers accepted for publication in the ASEE Conference Proceedings must be presented by at least one registered conference participant in a designated technical or poster session. All authors are expected to adhere to the guidelines put forth in the Author's Kit and Plagiarism Guidelines.

The ECCNE Division has a best paper award that is presented at the Division's business meeting during the annual conference. The Division also participates in the conference best diversity paper award by nominating a paper submitted to the ECCNED. 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: sdas2@kennesaw.edu

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

Sincerely,

Sandip Das, Ph.D.
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Department of Electrical and Computer Engineering
Kennesaw State University, GA, USA
ASEE Program Chair – Energy Conversion, Conservation, and Nuclear Engineering Division