

Call for Papers: ASEE 2025 Annual Conference & Exposition Technological and Engineering Literacy / Philosophy of Engineering Division (TELPhE)

The Technological and Engineering Literacy / Philosophy of Engineering ([TELPhE](#)) Division of ASEE is a multi-discipline forum within ASEE to present academic research addressing the need to have a well-informed citizenry engaged in purposeful deliberation about technology and engineering. The division welcomes contributions from education, engineering, engineering technology, business, history of technology, ethics, philosophy, and the study of science, technology, and society (STS).

The theme for this year's sessions is a focus on the ***Moral and Ethical Responsibility of Engineers and Engineering***. This broad call includes the historical, philosophical and educational aspects of the moral issues involved, and how engineers address these issues responsibly. Moral and ethical responsibility is defined here as practical ways that engineers seek to support public welfare and the common good as they navigate the tensions inherent in promoting good while serving clients.

Formats: Traditional papers on course work, case studies, works-in progress, panel proposals, special sessions are very welcome. Additionally, the division plans to implement discussion-focused sessions around a particular topic/collection of related papers. If you are interested in presenting in this format, submit an abstract for a position paper around a particular theme aimed at sparking conversation among the community. Discussion proposers should indicate in the first line of their abstract that they are interested in formulating a discussion session connecting other authors' submissions.

The thematic areas for papers, workshops, and panel sessions include:

- Identifying and understanding moral and ethical and ethical responsibilities of engineers in the academy:
 - **Research:** Theoretical frameworks to understand moral and ethical responsibility in engineering.
 - **Experience:** Examples of engineers addressing moral and ethical responsibilities with technology and/or teaching.
 - **Educational research** project(s) related to moral and ethical responsibility or decision making in the undergraduate or graduate classroom.
- Professional development efforts around moral and ethical decision making.
- Ways to define or deliberate the meaning of 'public welfare' and 'common good' in engineering degree programs.
- Historical and philosophical perspectives in engineering and technology, including case studies of moral and ethical decision making in industrial, government, and professional settings.

- Studies of how moral and ethical responsibilities and decision making are addressed in engineering education departments and degree programs.
- Innovative approaches to foster a technologically literate citizenry, including the teaching of engineering and technology to non-engineers.
- Artificial Intelligence: Why literacy in AI is needed as it relates to and impacts citizenry, education, health care, economics, and geopolitics.
- Innovative curricula, best practices, delivery methods for and the assessment of technological and engineering literacy, the philosophy of engineering education and/or how these help people develop distinct capacities to understand, evaluate and use technology.

ABSTRACTS SHOULD BE SUBMITTED TO THE [ASEE CONFERENCE WEBSITE](#). PLEASE SPECIFY THE TECHNOLOGICAL AND ENGINEERING LITERACY – PHILOSOPHY OF ENGINEERING (TELPhE) DIVISION.

Submissions must be completed electronically. Due dates and times indicated on the ASEE website will be strictly followed. For additional information including deadlines and guidelines, refer to <http://nemo.asee.org> for the upcoming 2025 conference.

All submissions are publish-to-present. Each submission involves a two-step review process consisting of an abstract submission (250-350 words in length) for review and potential acceptance, followed by a full manuscript submission for review and potential acceptance. Each abstract will be reviewed for its suitability for presentation in the TELPhE Division. This includes its fundamental contribution/argument and ability to clearly connect to TELPhE audience/topical categories. Paper abstracts, ‘discussion’ abstracts as well as panel and special session abstracts are welcome.

As needed, please reach out to the Program Chairs for assistance with questions and concerns. The final paper must be accepted to present at the conference and for inclusion in the conference proceedings. At least one author for each paper must register for and present at the conference.

For more information, please contact the Technological and Engineering Literacy – Philosophy of Engineering Division Program co-Chairs:

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