

Call for Papers: ASEE 2024 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 an outcome of the National Academy of Engineering initiative for a multi-discipline forum within ASEE in which to present academic research addressing the need to have a well-informed citizenry equipped with the knowledge, motivation, abilities, and confidence to engage in purposeful deliberation about technology and engineering and their intersection with technical expertise, educational enterprises, and democratic ideals. Thus, the division welcomes contributions from authors in disciplines that include education, engineering, engineering technology, business, history of technology, ethics, philosophy, and the study of science, technology, and society (STS). The thematic areas for papers, workshops, and panel sessions to be presented at the 2024 ASEE Annual Conference & Exposition are:

- Artificial Intelligence: Why literacy in AI is needed as it relates to and impacts citizenry, education, health care, economics, and geopolitics.
- Historical and philosophical perspectives in engineering and technology
- Studies on how Philosophy of Engineering and Philosophy of Engineering Education relate to the college and university-level engineering education, engineering education departments and engineering education degree programs.
- Innovative approaches to foster a technologically literate citizenry, including the teaching of engineering and technology to non-engineers.
- Innovative curricula and delivery methods for and the assessment of technological and engineering literacy and the philosophy of engineering education.
- Best practices learned from successful engineering or technological literacy programs at colleges and universities.
- Exploration of the ways in which engineering and technology can contribute to social justice.
- Studies of the impact of engineering and technological advancements in an increasingly globalized setting on society, public life, and individual experiences.
- Innovative teaching and learning in the philosophy of engineering, computing and engineering education.
- Innovation and studies of how engineering and technological literacy and the philosophy of engineering develop distinct capacities to understand, evaluate and use technology.

ABSTRACTS SHOULD BE SUBMITTED TO THE ASEE CONFERENCE WEBSITE AND 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 followed. For additional information including deadlines and guidelines, refer to <http://nemo.asee.org> for the upcoming 2024 conference.

All paper submissions are publish-to-present. Paper 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. 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.

The TELPhE Division also welcomes proposals for non-traditional sessions at the ASEE Annual Conference. If you would like to propose such a session, please contact one of the program co-Chairs listed below.

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

Steve Frezza

Professor of Software Engineering, Franciscan University of Steubenville, Steubenville OH, USA 43952.

Phone: 740-283-6248 E-mail: sfrezza@franciscan.edu

Suzanne Keilson

Associate Professor of Engineering, Loyola University Maryland, Baltimore, MD, USA 21210.

Phone: 410-617-2608 E-mail: skeilson@loyola.edu