

Call for Abstracts: ASEE 2022 Annual Conference & Exposition
Technological and Engineering Literacy - Philosophy of Engineering Division
([TELPhE](#))

The Technological and Engineering Literacy – Philosophy of Engineering (TELPhE) Division of ASEE invites authors to submit abstracts for papers for consideration for presentation at the 2022 ASEE Annual Conference & Exposition in Minneapolis, Minnesota. Technological and engineering literacy and the philosophy of engineering encompass a host of multidisciplinary topics, that are both “outward facing” from higher education and consider how engineering and technology interface with complex systems and emergent phenomena of our social life but also “inward looking” and ask fundamental questions that open up a unique space for examining the ideas, precepts, and principles that despite their nearness to our practices and embodiment in our interactions, remain elusive if noticed at all. We therefore invite submission of papers in the following thematic areas.

- Exploring the ways in which engineering and technology can contribute to social justice
- The impact of engineering and technological advancements in an increasingly globalized setting on society, public life, and individual experiences
- Developments in the teaching of engineering and technology to non-engineers
- Models and methods for developing educational continuums in engineering and technology, including the integration of engineering and technology topics with education majors
- Historical and philosophical perspectives in engineering and technology
- Perspectives on the engineering education, including consideration of its subject matter and content, forms of pedagogy and instruction, ethics and culture
- Best practices learned from successful engineering or technological literacy programs at colleges and universities
- Reflections on how engineering and technological literacy and the philosophy of engineering develop distinct capacities to understand, evaluate and use technology
- Works-in-Progress: The division is also interested in papers describing work in progress. If submitting a paper of this nature, please note in the title that this is a “work in progress” to be considered in this category.

The TELPhE division seeks to promote a community of scholarship in these areas, to identify research issues, and to highlight best practices for enhancing engineering and technological understanding in society. While a major thrust of the division is to increase the understanding of engineering by the general public, member interests also include concepts emerging from the evolution of Science, Technology, Engineering, and Mathematics (STEM) education.

Contributions are welcome from authors in many disciplines, including education, engineering, engineering technology, business, history of technology, ethics, philosophy, and the study of science, technology, and society (STS).

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://www.asee.org> for the upcoming 2022 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:

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