

Call for Abstracts: ASEE 2021 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 2021 ASEE Annual Conference & Exposition in Montreal, Quebec. Technological and engineering literacy and the philosophy of engineering encompass a host of multidisciplinary topics, many of which are “outward facing” from higher education and consider how engineering and technology interface with other aspects of society in complex ways. Papers in the following areas match well with the division:

- Engineering and technology as a force to enhance social justice
- Teaching engineering and technology concepts to non-engineers
- Methods of developing an educational continuum in engineering and technology, including teaching engineering and technology topics to education majors
- Best practices learned from successful engineering or technological literacy programs at community colleges and universities
- Broadening the understanding of engineers / engineering students regarding the roles of engineering and technology in society
- Historic perspectives on engineering and technology
- The impact of technological advancements on the public and society
- Reflections on how engineering and technological literacy and the philosophy of engineering develop capacity to use, understand and evaluate technology and strategies for its use
- Gender- and race-specific issues related to engineering and technology literacy
- Perspectives on the engineering education process, including consideration of balancing technical and non-technical subjects
- 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.

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 2021 conference.

All paper submissions are publish-to-present. Paper submission involves a two-step review process consisting on 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:

John Reisel
Professor, Mechanical Engineering Dept.
University of Wisconsin-Milwaukee
Milwaukee, WI, USA
Phone: 414-229-4671
E-mail: reisel@uwm.edu

Stephen T. Frezza
Professor of Software Engineering
Gannon University
Erie, PA, USA
Phone: 814-871-7563
E-mail: FREZZA001@gannon.edu