

Call for Abstracts: ASEE 2016 Conference and Exposition

Technological and Engineering Literacy -

Philosophy of Engineering Division

New Orleans, LA June 26-29, 2016

Technological and Engineering Literacy - Philosophy of Engineering Division invites authors to submit abstracts for papers related to:

- Engineering and technological literacy.
- The philosophy of engineering and technological literacy as a function of the educational process.
- Rationale for how such a philosophy can help develop a deeper understanding of technological and engineering literacy as an educational field.
- Reflecting how engineering and technological literacy and the philosophy of engineering develop our capacity to use, understand, and evaluate technology and the technological principles and strategies needed to develop solutions and achieve goals.
- The philosophy of engineering and technology as a function of gender.
- Reflective writing for learning, teaching, and professional insight to facilitate technological literacy and to foster the development of a philosophy of engineering.

In this activity, the 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 literacy in society. Technological and engineering and literacy and the philosophy of engineering encompass a host of multidisciplinary topics. While a major thrust of the division is to increase technological literacy in the general public, member interests also include concepts emerging from the evolution of Science, Technology, Engineering, and Mathematics (STEM) education.

Contributions are most welcome from authors in disciplines including education, engineering, engineering technology, humanities and social sciences, business, history of technology, the study of science, technology, and society, ethics, and philosophy. Potential topics for papers include:

- Engineering for Everyone / Engineering for Non-Engineers
- Best Practices - Results from Successful Engineering or Technological Literacy Programs at Community Colleges and Universities
- Minors in Engineering or Technological Literacy
- Teaching the Teachers: Engineering for Education Majors
- Linking K-12, Community College, and University Programs in Technological Literacy
- Helping Engineering Students Achieve a Broad Understanding of Technology
- The Relationship Between Technology, Engineering, and Science
- Technology and Society: Social, Political, and Economic Issues
- Engineering Design as a Liberal Art
- What the History of Technology Can Teach Us About People and Technology
- Ways to Stimulate Interest in Technological Literacy
- Perspectives and Issues Concerning Women and Minorities
- Learning Objectives and Student Outcomes / Relevant Assessment Tools and Techniques
- Concepts and Philosophy in Engineering Literacy
- Technological Forecasting and Social Change
- Defining Engineering Education
- Visual Technology Literacy
- Assessing the infiltration of technology (drones, personal lasers, 3-D printing, 3-D scanning, nano-technology, smart phones/smart cards) into the public domain and the understanding of technology
- Works in Progress: The division is also interested in papers describing work in progress – projects designed or begun but not yet complete in their data and conclusions. If submitting a paper of this nature, please note in the title and/or abstract that this is a ‘work in progress’ to be considered for this category.

- Proposals are welcome for workshops and discussion panels.

**SUBMIT ABSTRACTS TO THE ASEE CONFERENCE WEBSITE
AND SPECIFY THE TECHNOLOGICAL AND ENGINEERING
LITERACY - PHILOSOPHY OF ENGINEERING 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 2016 conference in New Orleans.

The Author's Kit, located in the Annual Conference section of the ASEE website under 'Call for Papers,' has information needed, from the abstract submission process through paper delivery. The link to the Author's Kit is: http://www.asee.org/documents/conferences/annual/2016/2016_Authors_Kit.pdf

All paper submissions are publish-to-present. Paper submission is a two-step review process consisting of an abstract submission (Abstracts shall be 250-350 words in length.) for review and potential acceptance, followed by a full manuscript submission for review and potential acceptance. Both the abstract and 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 is expected to register for and present at the conference.

For more information, please contact the Technology Literacy Division - Philosophy of Engineering Division Program Chair:

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