

2017 ASEE ANNUAL CONFERENCE

“Year of Action on P-12”

Liberal Education / Engineering & Society (LEES) Division

Call for Papers

The Liberal Education/Engineering & Society (LEES) Division invites abstracts for papers and poster proposals for full sessions, panel discussions, and innovative session formats for the ASEE Annual Conference, June 25 – 28, 2017 in Columbus, Ohio. LEES is concerned with the role of the humanities, arts, social sciences, and communication in engineering education. LEES members help students develop the ability to communicate effectively, critically analyze the social and ethical dimensions of technology, fulfill professional responsibilities, and situate engineering within larger social, historical, political, and cultural contexts. LEES welcomes proposals related to any of the diverse areas that fall within the scope of our division. Example topics include the following:

- Strategies for and challenges in the integration of engineering and liberal education
- New strategies for enhancing communication practices and competence P-12 education
- Communication as performance – what can engineering communicators learn from the worlds of theatre and music?
- What is the purpose of engineering education?
- Liberal education in action! Service learning, design, multidisciplinary projects, ethics, etc.
- The role of the engineer on a multi-disciplinary team
- Critical assessments of efforts to broaden engineering education
- Mixing engineering and liberal arts students—experiences and reflections
- Pursuing social justice through engineering
- Design as a social intervention
- Deepening student experiences through communication and the humanities
- Placing engineering education reform efforts in historical perspective
- Assessment experiences and perspectives, especially in light of recent proposed changes to ABET
- A joint session proposal on any relevant theme with one or more other ASEE divisions

Thinking Globally, Acting Locally: The Role of Engineering Education towards Attaining UN Sustainable Development Goals

This inter-divisional session will include Civil Engineering; Minorities in Engineering; Community Engagement; and Liberal Education/Engineering & Society. Topics of interest include, but are not limited to, the following:

- Unique connections among the roles of engineers, engineering education, and the UN Sustainable Development Goals
- Innovative instructional strategies to enhance engineering student learning of concepts across all pillars of sustainability – people, planet, and prosperity
- Curricular and co-curricular models for integrating the UN Sustainable Development Goals into the undergraduate engineering student experience
- Methods for assessing effective teaching and learning related to the UN Sustainable Development Goals, including development and implementation of validated instruments
- Strategies for addressing diversity and creating inclusivity in courses and programs through student engagement with UN Sustainable Development Goals
- Papers addressing multidisciplinary (engineering and non-engineering) approaches to addressing UN Sustainable Development Goals in engineering curricula are encouraged.

All paper submissions are publish-to-present. Submissions may include research reports, classroom applications, exploratory topics, and works in progress. Recommended paper length is 3 – 15 pages in ASEE conference proceedings format. **All abstracts must be submitted through the ASEE paper management system between September 6, 2017 and October 16, 2017.** If you have further questions or would like to submit a panel, full (or partial) session, or non-traditional session proposal for the 2017 ASEE Annual Conference, please contact the LEES Program Chair, Shane Cotter, Union College, cotters@union.edu.