

The **Materials Division** of the American Society for Engineering Education (ASEE) is soliciting papers for the **2022 ASEE Annual Conference** being held in Minneapolis, Minnesota from June 26-29, 2022. The mission of the ASEE is to advance “innovation, excellence, and access at all levels of education for the engineering profession.”

The materials division invites abstracts and subsequent papers that address issues relevant to materials education including, but not limited to:

- General innovations in materials education: active learning, project-based learning, problem-based learning, etc.
- Advances in materials laboratory courses: experiment design, report writing, etc.
- Application of materials concepts in the context of other disciplines: integration of materials education in design projects or typically non-materials courses
- Personalized learning: strategies to connect materials content to student interests and/or customize content to individual student needs
- Academia-industry interaction: collaborative efforts with industry partners, entrepreneurship, use of case studies in curriculum design, etc.
- Incorporation of technology and computational tools in the materials classroom and online learning strategies for materials education
- Innovations and best practices in introductory materials courses
- Introducing topics of sustainability and life cycle within materials curriculum
- Materials in K-12 education and outreach

Abstracts should be submitted via the ASEE submission and paper management system. At least one author for each accepted paper is required to register for and present the paper at the conference. Papers will be accepted on a publish-to-present basis. Works in progress are welcomed but should be denoted as such when submitting an abstract.

Abstracts are due November 8th. Information for authors, including due dates, can be found on the [ASEE website](#)

Special Session: Activities with Impact! Following the success of the inaugural “activities with impact” session at the 2020 virtual conference, the materials division will present a postcard session on classroom demonstrations, in-class (or online) activities and hands-on materials investigations. Participants will show their activity/demo followed by a group discussion. A full paper is not required to participate in this session. *Those interested in participating should email a short abstract directly to the division chair (Lessa Grunenfelder, grunenfe@usc.edu).*

Brainstorming Session: Resources for Materials Education. Steven Yalisove, winner of the 2021 Michael Ashby Outstanding Materials Educator Award, is considering leading a brainstorming session on an open-source textbook and online materials resources currently under development. *If you are interested in participating, please email the division chair (Lessa Grunenfelder, grunenfe@usc.edu)*

For further information, contact Kaitlin Tyler, Program Chair, kaitlin.tyler@ansys.com or Lessa Grunenfelder, Division Chair, grunenfe@usc.edu