

# Energy Conversion and Conservation Division Call for Papers

---

## 2017 ASEE Annual Conference and Exposition Columbus, Ohio, June 25-28, 2017

### Abstract submissions:

**Open = September 5th, 2016**

**Closed = October 16th, 2016**

The Energy Conversion and Conservation Division (ECCD) invites papers for the 124th ASEE Annual Conference and Exposition to be held June 25-28, 2017 in Columbus, Ohio.

The division is multi-disciplinary and is honored to share innovative pedagogy related to all forms of energy generation, distribution, use, and conservation with the engineering education community; especially as the pedagogy relates to the NAE Grand Challenges, the development of the Engineer of 2020, and P-12 Engineering Outreach. Authors should consider submitting technical papers for oral or poster presentations, as well as recommendations for Workshops, Special Panels, Outreach Events, Service Projects, and Nominations for Distinguished Speakers.

Topics of Interest include but are not limited to:

- Innovative Research and its dissemination into grades P-20
- Innovative teaching and learning strategies
- Research methods to assess teaching and learning strategies
- Curriculum content innovation
- Hands-on Projects for grades P-20
- Novel experiments and use of laboratory equipment and their impact on learning
- Integrating research and engineering education
- Impact of problem based learning, collaborative learning, cooperative learning, discovery learning and/or inverted learning
- Outreach programs that involve energy conversion and conservation industry
- Renewable Energy Sources
- Manufacturing – all processes including 3D printing
- Energy conversion technologies
- Energy storage technologies
- Engineering for sustainability and/or emissions reductions
- Worldwide energy supply/demand issues

- Electrical distribution and power systems
- Industrial and commercial scale energy conversion and conservation
- Discipline-specific engineering research relating to energy conversion and conservation (electrical, mechanical, nuclear, chemical, aerospace, civil, computer, textile, petroleum, biological, agricultural, natural resources, etc.)
- Role of engineers in the formulation and enforcement of public policy related to energy at all levels.

Since this is, “The year to commit to P-12,” innovative pedagogy involving energy engineering, efficiency, conversion, and conservation for P-12 Outreach will be of special interest.

The 2017 ASEE Annual Conference and Exposition Author's Kit is available as a link on this webpage. <https://www.asee.org/conferences-and-events/conferences/annual-conference/2017/papers-management/for-authors> All submissions are expected to adhere to these guidelines. Of particular importance is the "double-blind" requirement. Please note that abstract acceptance does not necessarily guarantee paper acceptance.

Authors should submit an abstract of 300 words or less on their paper topic. All ASEE divisions are publish to present. Panels must also submit an abstract and may submit a full paper. Papers accepted for publication in the Proceedings must be presented by at least one registered conference participant in a designated technical session or poster session.

The Division sponsors a First, Second, and Third Best Paper award to be presented at the Business Meeting. We welcome your wonderful ideas! Please consider and submit an abstract to the Energy Conversion and Conservation Division. Please feel free to contact me with any questions or to discuss ideas!

Cheers,  
Dr. Lynn Albers  
ECCD 2017 Program Chair  
[albers@email.campbell.edu](mailto:albers@email.campbell.edu)  
910-893-7957 (office)  
Assistant Professor, School of Engineering  
Campbell University  
191 Main St.  
Carrie Rich Hall, Room 200  
Buies Creek, NC 27506