

2016 ASEE Conference - Energy Conversion and Conservation Division *Call for Papers*

The Energy Conversion and Conservation Division (ECCD) invites papers for the 2016 ASEE Annual Conference and Exposition to be held in New Orleans, LA, June 26-29, 2016. The division is multi-disciplinary and addresses innovative teaching strategies, curriculum, courses, and student projects related to all forms of energy generation, distribution, use, and conservation. This Call for Papers includes technical papers for oral or poster presentation, workshops, special sessions, and nominations for distinguished speakers. Topics of interest to the Energy Conversion and Conservation Division (ECCD) include, but are not limited to:

- Innovative teaching strategies, curriculum, courses, and student projects
 - Curriculum content innovation, development, assessment, and improvement
 - Laboratory equipment, novel experiments, and methods
 - Student design projects
 - Outreach programs and programs that involve energy conversion and conservation industry
- Issues affecting education at all levels in Energy Conversion and Conservation (ECC):
 - Sustainable Energy Conversion and the Environment
 - Renewable energy sources
 - Direct energy conversion technologies
 - Energy storage technologies
 - Engineering for sustainability
 - Worldwide energy supply/demand issues including Energy Markets, Reliability, Safety, and Security
 - Efficiency improvement and/or emissions reductions
 - Electrical distribution and power systems (conventional and renewable)
 - Industrial and commercial energy conversion and conservation
 - Discipline-specific engineering issues relating to energy conversion and conservation (electrical, mechanical, nuclear, chemical, aerospace, civil, computer, software, materials, etc.)
 - Role of engineers in the formulation and enforcement of public policy related to energy at all levels
- Work in Progress – review of on-going ECCD-related projects.

Authors who submit technical papers for oral or poster presentation are encouraged to provide evidence of formative or summative assessment of student learning. Abstracts up to 500 words are required and must be relevant to education in Energy Conversion and Conservation. **Abstract submission opens on September 1, 2015.**

The deadline for abstract submission is Oct 19, 2015. The abstracts and subsequent papers for the conference must be submitted through the ASEE's Monolith system and are peer-reviewed.

Authors of accepted abstracts will be invited to submit a full technical paper for peer review to determine presentation at the conference and inclusion in the conference proceedings. The ASEE Annual Conference has a publish-to-present policy: a final, peer-reviewed paper, based on the abstract, must be approved before the paper can be included in the proceedings and before the paper can be presented at the conference. All published papers will be considered for the ECCD's best paper awards. The ECCD will award 1st, 2nd and 3rd Best Paper Awards at the division's Business Meeting, which will be held during the ASEE Annual Conference in New Orleans in June 2016. The best paper from the division is submitted to be considered for best paper award with the ASEE Professional Interest Council III.

Workshops are tutorial presentations on a topic of interest to professionals who are involved in education in Energy Conversion and Conservation. Various lengths are available with presentation normally on the Sunday immediately before the conference. Workshop presenters are encouraged to supplement workshop fees with appropriate extramural grants and subsidies. Even after accepting a proposal, the Program Chair may cancel any workshop that becomes likely to incur a financial loss. Please contact the ECCD Program Chair to discuss workshop proposal requirements and formats.

Special sessions, either a group of five related papers on a topic of significant interest to the ECCD membership or a panel of several distinguished experts, are also sought. Please contact the ECCD Program Chair to discuss special session proposals.

Energy conversion and conservation is currently enjoying substantial interest among professionals in engineering education. Therefore, ECCD encourages your nominations for a distinguished lecture by a top professional in the field. Each year, the ASEE Annual Conference sponsors up to eight distinguished speakers. The ASEE Board of Directors selects the distinguished lecturers based on proposals submitted by the membership and leadership of ASEE; selection criteria include the appropriateness of the topic to be presented, the qualifications of the lecturer, and the likelihood for drawing a large audience. Please contact the ECCD Program Chair to discuss appropriate nominations and to obtain a proposal format.

For more information, please contact the ECCD 2015 Program Chair:

Madhumi Mitra, Ph.D.

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Professor

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