



UNDERGRADUATE ENGINEERING STUDENTS CALL FOR PRESENTATIONS

ASME Internal Combustion Engine Division
Invites Presentations for the
2019 Fall Technical Conference
October 20-23, 2019 • Chicago, IL USA

Hosted by Argonne National Laboratory

The Student Presentation Chair of the ASME Internal Combustion Engine Division invites you to submit your undergraduate research in internal combustion engines. The **top two** entries will be selected to be present at the 2019 ASME Internal Combustion Engine Fall Technical Conference in Chicago, IL. The winning students will receive a cash award of \$1,000! In addition, conference registration will be waived and travel and lodging expenses for the conference will be covered up to \$1,500 for the two winning applicants.

Consider applying if you:

- work in a laboratory that does internal combustion engine research
- work on the engine of a collegiate race team or your own car
- have innovative ideas for next generation advanced engines or alternative fuels
- are an internal combustion engine enthusiast and would like to deliver a presentation on the subject

The winning two students will deliver their presentations to a group of leading experts in the internal combustion engine field at the ASME Internal Combustion Engine Fall Technical Conference. This welcoming environment is an great opportunity for students currently involved in research that are considering pursuing a career or graduate school in the Internal Combustion Engine field. Many of the past winners have made connections during the conference lead to recruitment for career and graduate school opportunities. For senior undergraduate students, who may have already accepted a full-time position or begun graduate school by the time the conference is held, it is also a great way to be introduced directly to a large portion of the engine research community that you may be a part of for many years to come.

Additionally, as a conference attendee, you'll get to attend other researcher's presentations and network with people working in this exciting and important field. Applicants not selected as winners will be invited to present their work at a student poster session to be held during the conference (their student registration fee will be waived).

To be considered, submit; **(1)** an abstract/summary of your work in pdf format (2-pages max), **(2)** 10-minute draft presentation slides as a pdf file, and **(3)** a one-page mentor/advisor letter of recommendation to the Student Presentation Chair by **May 31, 2019**. The letter of recommendation must be from a professor or mentor working most closely with the student and must clearly identify the student's role in the work. A selection committee will choose the top two presentations according to an established review process. In that process, submissions will be scored according to the following metrics: (a) technical strength, (b) research novelty (c) quality of project execution, (d) degree of independent work, and (e) presentation quality.

You must be an ASME student member (with active membership) and have be an undergraduate student on the date of submission to be selected (if you will graduate in or around May 2019, you are still eligible).

Send your abstract, draft presentation, and letter of recommendation by May 31st to:

Josh Bittle
Student Presentation Chair
Email: jbittle@eng.ua.edu

Last Year's Winners:



Alex Eskenazi-Gold

University of Michigan – Ann Arbor

“Implementation of Low Speed Pre-Ignition (LSPI) Detection Algorithm on a Real-Time Rapid Prototyping Engine Control Unit (ECU)”



Jennifer Lembeck

Stony Brook University

“Thermodynamic Modeling of an LTC Engine with Direct Water Injection in MATLAB”