
# UNDERGRADUATE ENGINEERING STUDENT COMPETITION
# CALL FOR PRESENTATIONS

## ASME's Internal Combustion Engine Technical Community
## Invites Presentations for the
## **DRIVN 2026**
## September 14-16, 2026 • Detroit, MI, USA

The Student & Early Career Chair of the conference organizing committee invites you to submit your undergraduate research in internal combustion engines. The **top two entries** will be selected to be present at the **2026 DRIVN Conference**, which will be an in-person event. The two students who led the winning entries will receive free conference registration for the conference along with paid travel and lodging expenses up to $1,500.

**Consider applying if you:**

- Work (or have worked) in a laboratory that does internal combustion engine research
- Worked on modeling and simulation related to engine systems or emissions systems
- Worked on fuels, fuel injection, sprays or carbon management
- Worked 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 two winning students will deliver their presentations to a group of leading experts in transportation and power systems at the **DRIVN Conference**. This welcoming environment is a 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 which led 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 will have the opportunity to attend other researchers' 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.

**To be considered, submit the following to the Student Presentation Chair by July 17th, 2026:**

**(1)** A two-page extended abstract summarizing the work,
**(2)** A one-page letter of recommendation from your mentor/advisor,
**(3)** Draft slides for a 10-minute presentation of the work,
**(4)** A recording of you giving your 10-minute presentation

**To submit**: email the extended abstract and letter of recommendation to Dr. Noah Van Dam, Student & Early Career Chair at Noah_VanDam@uml.edu. You will then receive a unique link to submit your slides and presentation recording.

The abstract and letter of recommendation should be submitted as PDFs, not Word or other formats. The letter of recommendation must be from a professor or mentor working closely with the student and must clearly identify the student's role in the work.

The presentation recording will only be used as part of the competition judging process. The winners will give their presentations live during the DRIVN Conference.

**Scoring criteria**: 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
**(e)** presentation quality.

You must be an ASME student member (with active membership) and have been an undergraduate student on the date of submission to be selected. Students graduating before the conference may still submit as long as the work was completed prior to graduation. Presentation material must all be original; The work can be related to material contained in a technical paper submitted to the ASME DRIVN 2026 Conference but should go beyond what is in the paper.

**Send your work by July 17th to**:
Dr. Noah Van Dam
Student & Early Career Chair
Email: Noah_VanDam@uml.edu

## 2025 Winners

**Advik Luchomun**
Sandia National Laboratories
University of California-Berkeley
*Study on Flame Quenching Mechanisms in a Natural Gas Pre-chamber Spark-ignition Engine*

**Cole Engebretson**
Marquette University
*Design and Testing of Optical, Actively-Fueled Prechamber*