



2023 US National Combustion Meeting Undergraduate Research Competition

The Outreach committee of the Central States Section of the Combustion Institute (CSSCI) invites you to submit your undergraduate research in combustion to the US National Combustion Meeting (USNCM) Undergraduate Student Research Competition. The competition is open to sophomore, junior, and senior undergraduate student researchers. Please note, you must be a full-time or a part-time undergraduate student at the time of submitting your entry.

Consider applying if you are working on numerical or experimental, fundamental or applied combustion research topics covered by the 2023 USNCM including, chemical kinetics, solid and liquid fuel combustion, catalysis, emissions formation from combustion processes, internal combustion engine and gas turbine engine technologies, optical and applied combustion diagnostics, open flames, novel combustion devices, etc.

The top three entries will receive a cash award of \$250 and will deliver a presentation at the 2023 USNCM, March 19-22, 2023, Texas A&M University, College Station. Conference registration fees will be waived for one student presenter from each of the winning entries. This meeting is a great opportunity for students considering further education or a career in combustion research to network with future employers. Additionally, as a conference attendee, you will be able to attend technical sessions and network with other researchers engaged in cutting-edge combustion research.

To be considered, please email the following to outreach@cssci.org by January 27, 2023:

- (1) an extended abstract (2 pages with supporting figures and plots, USNCM paper format in pdf),
- (2) a technical presentation (10 slides, PPT format) of the research, with audio recorded no more than 10 minutes. The files should not be more than 20 MB.
- (3) a one-page recommendation letter from the research mentor/advisor clearly outlining the student's individual contribution.

The CSSCI outreach committee will review submitted materials and select no more than three winners by Feb. 7, 2023. Submissions will be reviewed and scored according to the following metrics:

- (a) technical strength, (b) research novelty, (c) quality of project execution, (d) degree of independent work, and (e) technical presentation.

Each of the three winners will be invited to the meeting to make a presentation at the 2023 USNCM, March 19-22, 2023, College Station, TX. For further information and questions, please contact Dr. Omid Samimi-Abianeh (O.Samimi@Wayne.edu) or Dr. Patrick Lynch (ptlynch@uic.edu).