



TO: Nuclear and Radiological Engineering Programs

FROM: Dr. Travis W. Knight
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Department of Mechanical and Nuclear Engineering
University of South Carolina
Chairman of the ANS Student Design Competition

DATE: December 30, 2023

RE: 2024 ANS Student Design Competition

Greetings:

This memorandum is the announcement for the 2024 ANS Student Design Competition. The competition is open in that each university has the freedom to define its own design project. Student design reports will be evaluated and ranked by judges from industry and government based on submission of a single design report authored by the participants. Graduate and undergraduate teams are evaluated and ranked in the same competition. A maximum of two graduate teams will be selected as finalists. A total of four finalist teams will make oral presentations to judges in a special invited session at the Winter ANS Conference. Winner and runner-up awards will be announced in each category at the conclusion of the session.

In addition to the final design report, each entry must also submit electronically to the Student Design Competition Session (sponsored by ETWDD) a summary (less than four pages) to ANS for possible publication in the *Transactions* of the Winter Conference. These summaries must be submitted to ANS as invited summaries **by the published deadline but not later than July 1, 2024** according to instructions for electronic submission that are available on the ANS website (<https://www.ans.org/pubs/transactions/>). Thus, the four finalists who make presentations at the Winter Conference will have their summaries published in the *Transactions* of the conference. The final design reports must be submitted by **July 1, 2024**.

Your capstone design course, which most ABET accredited programs have, can be the basis for your undergraduate students to enter the competition. Similarly, many programs also have a graduate design course, which can be the basis for graduate students to enter the competition. The Intent to Participate and Guidelines Form and the Judges' Evaluation Form are online at <https://www.ans.org/honors/award-studentdesign/>. Please encourage your design-oriented faculty and students, both graduate and undergraduate, to participate in the competition.