

June 14, 2025

[DRAFT] FUND AGREEMENT

ANS Thermal Dynamics Professional Division (THD)
Establishing an ANS-THD fund in support of students in nuclear

1. AGREEMENT

THD seeks to support students in nuclear science and technology by establishing “The ANS Thermal Hydraulics Division Student Support Fund” (the Fund). Drawing from annual investment earnings from the Fund principal of \$00.00, the Society and THD will advance opportunities for students to succeed through a menu of ANS offerings as described in the Fund purpose. Note: the amount to establish the Fund is at the discretion of THD with a minimum of \$45,000, \$5,000 of which is a one-time administration fee applied to all new funds and scholarships.

2. FUND PURPOSE

The Fund will support students inclusive of but not limited to the following:

- Sponsorship of the ANS student conference.
- THD-sponsored scholarship awards.
- Offsetting ANS Student Program conference registration fees—the ANS Student Program provides select students with the opportunity to work the conference while providing high level networking opportunities. (OPD supports travel costs for the students).
- Providing ANS Certification and Certificate Course student grants—this inaugural workforce development effort comprises “Nuclear 101” courses and exam-based certification.
- Offsetting page charges associated with student papers published on NSTOR—the ANS/F1000 publishing platform.
- Providing ANS student memberships—currently \$35 annually.
- Supporting ANS k-12 STEM education programs—including “Visualizing Radiation” cloud chamber kits and after school nuclear STEM clubs.

3. FUND ADMINISTRATION

THD reserves the right to direct the Fund’s investment earnings at the division’s discretion and in coordination with ANS. The division will direct the ANS Chief Financial Officer to transfer the amount stated above (“1. Agreement”) from THD’s account to establish a fund named “The ANS Thermal Hydraulics Division Student Support Fund.”

Upon the THD Executive Committee’s request, the ANS CFO will distribute investment earnings to the division to support costs associated with the programs cited above in “2. Fund Purpose.” The ANS Director of Development will also support the Fund administration, working with the division to identify needs and help direct the utilization of Fund dollars (again under the auspices of the THD Executive Committee).

With the mutual agreement of ANS and THD, the division may draw upon the Fund principal under special circumstances. The division and ANS may seek donors (such as other ANS professional divisions) to grow the Fund principal to increase the level of investment earnings available for disbursement.

Note: ANS can provide investment earning details, including initial availability of investment dollars, i.e., approximately 5% of principal beginning a year after the Fund is established.

4. ABOUT THD

The division provides a forum for focused technical dialogue on thermal hydraulic technology in the nuclear industry. Specifically, this will include heat transfer and fluid mechanics involved in the utilization of nuclear energy. It is intended to attract the highest quality of theoretical and experimental work to ANS, including research on basic phenomena and application to nuclear system design. Website: <https://thd.ans.org/>

THD Mission: *To establish, stimulate, and maintain quality technical and professional approaches in all areas of Nuclear Thermal Hydraulics.* In furtherance of this mission the Division shall devote itself to:

1. The advancement and dissemination of knowledge of thermal and hydraulic phenomena as they pertain to the steady state design or transient performance of equipment in nuclear power plants and other segments of the nuclear fuel cycle.
2. Aid in the integration and dissemination of thermal hydraulics information developed in research and design programs and from experience with operating nuclear reactors.
3. Promote effective interchange of thermal hydraulics information among the many professional groups and organizations participating in the development and application of nuclear reactor technology.
4. Provide a basis for interaction between the nuclear industry and regulatory groups.

AGREEMENT

This document serves as an agreement between the parties ANS Thermal Hydraulics Professional Division and the American Nuclear Society. The agreement is in force at the signing of the document by signatories, the current THD Chair, Igor Bolotnov; Staci Levy, ANS Chief Financial Officer; and Daryl Rizzo, ANS Director of Development. Note: the agreement can be modified per the consensus of the parties involved.

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