

Proposal to Establish a Scholarship Fund in Honor of Dr. Vincent J. Esposito

American Nuclear Society

October 27, 2020

Overview

ANS respectfully presents to its Thermal Hydraulics Professional Division (THD) and Scholarship Policy and Coordination Committee the following proposed scholarship.

A generous inaugural gift of \$75,000 from Carl Esposito will establish the **The Dr. Vincent J. Esposito Thermal Hydraulics Graduate Scholarship**. The scholarship will continue for a period of no less than 10 years and after this period under the discretion of ANS and THD.

ANS is a 501(c)(3) not-for-profit and thus all charitable contributions, such as the proposed gift to establish the scholarship, are fully tax deductible as allowed by law. The contribution will establish the principal necessary to fund the scholarship through annual investment earnings.

The Vincent J. Esposito Thermal Hydraulics Scholarship

Scholarship details:

- Academic Level: Masters, PhD, or Graduate Certificate Program – First Year Student
- Academic/Research Discipline: Thermal Hydraulics or Reactor Safety
- Total award is \$3,000 for the year
- This is a one-year, one-time award and non-renewable (once a student receives the scholarship, they are ineligible to receive a subsequent award).
- Additional considerations will be given to those candidates who:
 - Have a record of service to ANS
 - Enrolled in a University with a graduate program in Nuclear Engineering including Masters, PhD or Graduate Certificate

Award criteria:

- Academic performance
- Letters of recommendation from two faculty and/or employers
- A summary of accomplishments that includes honors, awards, professional work activities, and special interest activities
- A description of long-term and short-term professional objectives. Research interests aligned with the Division's topical areas will be given greater weight

Note: The establishment of the scholarship is contingent on both THD approval and accommodating Dr. Esposito's request to be a part of the selection process for his named

scholarship (as a non-transferable member given the opportunity to provide feedback – final approval would remain under the jurisdiction of THD).

About the ANS Thermal Hydraulics Professional Division:

Currently chaired by Wade R. Marcum, ANS Thermal Hydraulics Professional 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.

The division’s 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 specifically to:

- 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.
- Aid in the integration and dissemination of thermal hydraulics information developed in research and design programs and from experience with operating nuclear reactors.
- Promote effective interchange of thermal hydraulics information among the many professional groups and organizations participating in the development and application of nuclear reactor technology.
- Provide a basis for interaction between the nuclear industry and regulatory groups.

Vincent J. Esposito Biographical Sketch

A nuclear fuel and safety analysis expert, Dr. Vincent J. Esposito was recently recognized by ANS for his 50-year commitment as a member. Joining the Society in 1969, he has served on the Public Policy Committee and Executive Committee of the Mathematics and Computation Division, and is now a participant in the Fuel Cycle & Waste Management and Thermal Hydraulics divisions. Vincent also represented the Society as its Congressional Fellow in 2013, and has chaired and spoken at ANS local section and national meetings.

Currently an adjunct professor of nuclear engineering at the University of Pittsburgh, Vincent retired from Westinghouse where he spent over 40 years of his career in a variety of engineering and management roles. His last 10 years were spent as a vice president of the company’s Asian nuclear fuel business.

During his time with Westinghouse, Vincent was involved in discussions with the Department of Commerce, the State Department, and the Department of Energy regarding nuclear fuel issues.

He also assisted in the recovery efforts following both the Three Mile Island and the Fukushima Daiichi accidents. Vincent represented Westinghouse on the Nuclear Energy Institute's Fuel Task Force, focusing on uranium and enrichment as it related to the Russian Suspension Agreement. Vincent's national and international knowledge and experiences assisted him in landing the Glenn T. Seaborg Congressional Science and Engineering Fellowship with ANS. One of his references for the position, University of Pittsburgh Director of Nuclear Engineering John Metzger, praised Vincent's work stating, "his experience encompasses an extremely broad range that will provide a rich and unique resource... there is no better way for our industry's message to be heard on the Hill."

In 2013, as the ANS Congressional Fellow in Washington D.C., Vincent assisted in the preparation of questions addressing Yucca Mountain as a viable final repository, worked on decreasing the time frame for the U.S. export license process of transferring nuclear technology to a foreign entity, and pursued activities related to industry radiation standards for low doses / dose rates. He also reviewed publications on the Fukushima accident to determine specific regulatory and safety lessons learned.

About American Nuclear Society Scholarships

The American Nuclear Society student members are the future of the society and ANS believes in rewarding those members for their academic, service, and leadership excellence. ANS scholarships are awarded to applicants that have personified the high standards set by the Society and since 1979, over \$5 million in scholarships have been distributed.

Scholarships are awarded to incoming freshmen, undergraduates, and graduate students, and are distributed at the beginning of each school year. Evaluation is based upon numerous factors, such as, academic excellence, leadership within the Society, references, career goals, and financial need.

Supporting the next generation in nuclear is of great value. The Society's scholarship program ensures students – incoming freshman, undergraduates, and graduate students – can begin or maintain their academic studies in a variety of nuclear-related disciplines.

About the American Nuclear Society

ANS is the premier organization for those that embrace the nuclear sciences and technologies for their vital contributions to improving people's lives and preserving the planet.

ANS membership is open to all and consists of individuals from all walks of life; including engineers, doctors, students, educators, scientists, soldiers, advocates, government employees, and others. Celebrating its 70th anniversary in 2024, ANS is committed to advancing, fostering, and promoting the development and application of nuclear sciences and technologies to benefit

society. Current offerings include national and topical meetings; publications; scholarships, honors, and awards; and education initiatives.

Thank you

The American Nuclear Society is grateful to Dr. Esposito for his interest in furthering the education of deserving students with the **The Dr. Vincent J. Esposito Thermal Hydraulics Graduate Scholarship**. The Society is honored to have the opportunity to continue Dr. Esposito's legacy within the nuclear community.

Payment

The donor can utilize the following methods of payment:

Checks (drawn on a U.S. bank)

American Nuclear Society
97781 Eagle Way
Chicago, IL 60678-9770

Wire Transfer

JP Morgan Chase Bank
10 South Dearborn
Chicago, IL 60603

ANS Checking Account #824941
ACH Transfer #0710 0001 3

Bank ABA #0210 0002 1 (bank routing #)
SWIFTCODE # (same as IBAN #) CHASUS33 (Overseas Wires)

Tax Information

ANS is a 501(c)(3) not-for-profit and thus contributions are tax deductible as allowed by law. The ANS tax identification number is **81-165823**. With the receipt of funds, the donor will receive a signed letter (emailed and mailed) with the following statement:

The American Nuclear Society is a 501(c)3 not-for-profit organization. Your contribution of [Amount] received on [Month, Day, Year] is tax-deductible to the extent allowed by law. No goods or services were provided in exchange for your financial donation. This letter will serve as your receipt and should be kept with your tax records.

American Nuclear Society
555 N. Kensington Ave.
La Grange Park, IL 60526
708-352-6611



For the donor's convenience, we have included a screenshot of the American Nuclear Society's Tax Determination Letter as an addendum to the Gift Acceptance Agreement.

American Nuclear Society
555 N. Kensington Ave.
La Grange Park, IL 60526
708-352-6611



American Nuclear Society Tax Determination Letter

☞ AUG 22 2016

INTERNAL REVENUE SERVICE
P. O. BOX 2508
CINCINNATI, OH 45201

DEPARTMENT OF THE TREASURY

Date: **AUG 10 2016**

Employer Identification Number:
81-1658523
DLN:
17053092300006
Contact Person:
MS. GAISER ID# 31609
Contact Telephone Number:
(877) 829-5500
Accounting Period Ending:
December 31
Public Charity Status:
509(a) (2)
Form 990/990-EZ/990-N Required:
Yes
Effective Date of Exemption:
February 25, 2016
Contribution Deductibility:
Yes
Addendum Applies:
No

ANS MERGER CORPORATION NFP
555 N KENSINGTON AVE
LA GRANGE PARK, IL 60526

Dear Applicant:

We're pleased to tell you we determined you're exempt from federal income tax under Internal Revenue Code (IRC) Section 501(c)(3). Donors can deduct contributions they make to you under IRC Section 170. You're also qualified to receive tax deductible bequests, devises, transfers or gifts under Section 2055, 2106, or 2522. This letter could help resolve questions on your exempt status. Please keep it for your records.

Organizations exempt under IRC Section 501(c)(3) are further classified as either public charities or private foundations. We determined you're a public charity under the IRC Section listed at the top of this letter.

If we indicated at the top of this letter that you're required to file Form 990/990-EZ/990-N, our records show you're required to file an annual information return (Form 990 or Form 990-EZ) or electronic notice (Form 990-N, the e-Postcard). If you don't file a required return or notice for three consecutive years, your exempt status will be automatically revoked.

If we indicated at the top of this letter that an addendum applies, the enclosed addendum is an integral part of this letter.

For important information about your responsibilities as a tax-exempt organization, go to www.irs.gov/charities. Enter "4221-PC" in the search bar to view Publication 4221-PC, Compliance Guide for 501(c)(3) Public Charities, which describes your recordkeeping, reporting, and disclosure requirements.

Letter 947

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ANS MERGER CORPORATION NFP

We sent a copy of this letter to your representative as indicated in your power of attorney.

Sincerely,

A handwritten signature in black ink, appearing to be "D. W. Gaiser", is written over the word "Sincerely,".