



American Nuclear Society Education, Training and Workforce Development Division

Fall 2018 Newsletter

Message from the Chair

It is my pleasure to present to you the Fall 2018 ETWD Division Newsletter. While time has passed quickly since the Annual meeting in Philadelphia and winter is fast approaching, our Winter meeting location will allow us to feel like summer is still with us!

The purpose of this Newsletter is to inform you of what has been happening in the Division since June and to keep you apprised on some of the upcoming items that will be discussed at the November meeting.

From the 2018 ETWD officers:

Jane LeClair, Chair
Drew Thomas, Vice Chair
James Baciak, Secretary
Daniel Carleton, Treasurer
Matt Jasica, Webmaster

We look forward to seeing you in Orlando!

2019 Annual Meeting: Minneapolis, MN

The 2019 ANS Annual meeting, entitled *The Value of Nuclear* will be held in Minneapolis, MN, from June 9 – 13, 2019 at the Hyatt Regency Minneapolis. Additional information is located at the ANS website (http://www.ans.org/meetings/c_1). The Education, Training and Workforce Development Division is again showing its commitment to active meeting involvement by sponsoring seven sessions:

- 5a. Training, Human Performance and Workforce Development
- 5b. Cutting Edge Techniques in Education, Training and Distance Education
- 5c. ANS Nuclear Grand Challenges
- 5d. Best of ANS Student Conference
- 5e. Focus on Communications—I (P)
- 5f. Focus on Communications—II (P)
- 5g. Young Faculty Development (P)

Summaries will be accepted until Friday, January 4, 2019. We are excited to hear about your new projects, successes, and lessons learned, and welcome your submissions. Summaries may be submitted via the ANS website at ans.org/meetings. The complete Call for Papers and Sponsorship Prospectus have been posted on the ANS website.

ETWDD Sponsors 'Navigating Nuclear'

In continuing its support for the education community, ETWDD contributed \$10,000 to the initiative "Navigating Nuclear: Energizing Our World." The mission of this STEM-focused program is to inspire a nation of learners to understand and embrace nuclear science and technology. This will be accomplished through the engagement of teachers and K-12 students nationwide. Teachers will be given the resources necessary to effectively present a nuclear energy curriculum. Curricula will be presented to students in meaningful and creative ways while the public has access to relevant and accurate information.

Jane LeClair, Chair of ETWDD commented on the initiative saying that "ETWDD is proud to be sponsoring 'Navigating Nuclear.' The objectives of this initiative could not be more in line with the mission of ETWDD. Supporting the educational community is critical to the future of the nuclear community and we are pleased with supporting Navigating Nuclear's ability to deliver to society the many great benefits of nuclear technology. ETWDD will continue to support this initiative and looks forward to the benefits it will deliver to the nuclear community and to society as a whole."

ETWDD Sponsors 2018 Winter Meeting Student Program

Earlier this year, ANS's Education, Training, and Workforce Development Division (ETWDD) contributed \$2,500 to the student program for the 2018 Winter Meeting. This funding covers items such as transportation and registration costs for attending students. Many students would otherwise not be able to attend without sponsorship from ANS professional divisions such as ETWDD. Attending ANS national meetings gives students the opportunity to connect with professionals across industry, government, and academia. This enables these students to build important relationships and help start their careers.

In addition, greater student attendance encourages increased involvement within ANS. Research from the Membership Committee shows that students who get involved by attending committee and division meetings are more likely to remain ANS members after graduation. The ongoing success of ANS's committees and professional divisions is predicated on the availability of talented and enthusiastic members willing to take up leadership positions. Keeping students involved helps ensure ANS's continued ability to carry out its mission and to remain the premiere professional organization in nuclear-related fields for future generations to come.

ETWDD Winter 2018 Program

The Winter ANS meeting features a rich program for Education, Training and Workforce topics. ETWDD's program consists of an even split of panel and papers sessions. Panel sessions focus on ETWD areas including new panel discussions on junior faculty best practices, ANS congressional fellow discussions, professional licensure, and pre-college outreach. ETWD continues to support the Communications subcommittee with its popular "Focus on Communications" panel sessions.

ETWDD is also supporting a variety of paper sessions that are mainstays on the Winter Meeting program. These include the Student Design Competition, NEUP student papers sessions, cutting edge educational techniques, and the Innovations in Nuclear Energy Technology R&D papers sessions. Session dates and times can be found below.

Panel Sessions (Listed in order by session times)

Junior Faculty Panel: Monday, November 12, 3:50 PM

ANS Congressional Fellow Panel: Tuesday, November 13, 10:15 AM

Professional Licensure: Tuesday, November 13, 10:15 AM

Focus on Communications: Tuesday, November 13, 1:30 PM, 3:55 PM

Precollege Nuclear Science and Technology Outreach: Wednesday, November 14, 10:15 AM

Paper Sessions (Listed in order by session times)

Student Design Competition: Monday, November 12, 3:50 PM

NEUP Student Paper Sessions: Wednesday, November 14, 10:15 AM, 1:30 PM; Thursday November 15, 8:00 AM, 10:15 AM

Cutting Edge Techniques in Nuclear Science Education Paper Session: Wednesday, November 14, 3:55 PM

Innovations in Nuclear Energy Technology R&D Awards Paper Session: Wednesday, November 14, 3:55 PM

John R. Lamarsh Scholarship

The John R. Lamarsh Scholarship has been awarded since 1982 in honor of John R. Lamarsh, a notable and highly respected member of the academic community in nuclear engineering. This prestigious award was the first endowed scholarship offered by the Society and was named for John because of his influence on nuclear engineering education.

John Lamarsh was a graduate of Massachusetts Institute of Technology and Cornell University, and was the recipient of the Arthur Holly Compton Award in Education in 1980. He was an individual who dedicated his life to enhancing the field of nuclear engineering education. John was department chair of nuclear engineering at New York University. He wrote numerous texts that were widely used in the academic world, including "Nuclear Reactor Theory" (1966), and "Introduction to Nuclear Engineering" (1975).

The Lamarsh Scholarship is an undergraduate scholarship for students who have completed two or more years in a course of study leading to a degree in nuclear science, nuclear engineering, or a nuclear-related field.

The eligibility requirements are as follows:

- Student must be an ANS student member (U.S. or non-U.S. citizen) attending a qualified university in the United States.
- Students must complete an application with a transcript, and three confidential reference forms must be received by December 31, 2018.

The application is available on the ANS website.

ETWDD AWARDS

Congratulations to the following individuals:

- Dr. Xiang Liu, Post-Doctoral Research at Idaho National Laboratory, for receiving the 2018 Mark Mills Award for his paper entitled "Irradiation Effects in Various Advanced Structural Alloy Systems for Nuclear Systems."
- Dr. Richard P. Coe for receiving the 2018 Robert L. Long Training Excellence Award which will be presented at the ANS Conference on Nuclear Training and Education (CONTE 2019).