

The logo for the ANS Winter 23 Conference and Expo. It features a blue circular icon with a white atomic symbol on the left. To its right, the text "ANS Winter" is in a bold blue font, "Conference and Expo" is in a grey font below it, and "23" is in a large, bold red font to the right of the main text.

ANS[®] Winter 23
Conference and Expo

A graphic showing the conference theme "MAINTAINING the MOMENTUM" in large, bold, yellow and white letters. The text is set against a background of a modern, brightly lit hallway with a grid ceiling and people walking in the distance. The word "MAINTAINING" is in yellow, "the" is in a smaller white font, and "MOMENTUM" is in white with a yellow shadow effect.

MAINTAINING the
MOMENTUM

Honors and Awards Recipients

November 12-15, 2023
Washington, D.C.
Washington Hilton

EMBEDDED TOPICAL MEETING

**Advances in Nuclear Nonproliferation Technology and
Policy Conference (ANTPC 2023)**

Young Professionals Congress



American Nuclear Society

ANS Opening Plenary Session Awards

Monday, November 13, 2023
8:00–11:00AM



Presentation Of Awards

Dr. H.M. Hashemian
Honors and Awards Committee Chair

Award Recipients

Seaborg Medal

Dwight D. Eisenhower Medal

Fellows

E. Gail de Planque Medals

Mary Jane Oestmann Professional Women's Achievement Award

Untermeyer & Cisler Reactor Technology Medal

Social Responsibility in the Nuclear Community Award

Landis Public Communication & Education Award

Young Members Advancement Award

Young Member Excellence Award

Division and Committee Acronyms

ETWDD - Education, Training and Workforce Development Division

FED - Fusion Energy Division

IRD - Isotopes and Radiation Division

LSC - Local Sections Committee

NIS - Nuclear Installations Safety

RPD - Reactor Physics

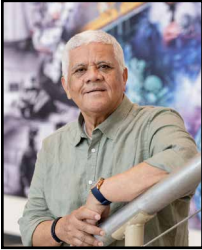
SSC - Student Sections Committee

THD - Thermal Hydraulics Division

YMG - Young Members Group

Opening Plenary Session Awards

Seaborg Medal



Presented to:

Dr. Luiz C. Leal

Oak Ridge National Laboratory

For scientific excellence and mentorship in the field of nuclear data, criticality safety and reactor engineering worthy of international recognition sustained over a 45-year career.

Dwight D. Eisenhower Medal



Presented to:

Hon. William Ostendorff, Sr.

U.S. Naval Academy

For many years of outstanding dedicated service to Our Nation as a U.S. Naval Officer and Commissioner of U.S. Nuclear Regulatory Commission and to service to the greater worldwide nuclear community.

Opening Plenary Session Awards

ANS Fellow



Presented to:
Dr. Sandra Dulla
Politecnico di Torino

Notable original research or invention in the nuclear field.

For her seminal work on quasi-static algorithms, coupled to deterministic and stochastic transport solvers, leading to many applications carried out internationally; for her studies on the reactor physics of Gen-IV designs, performed during European and international projects; for her mentoring of numerous MS and PhD students in nuclear engineering.



Presented to:
Dr. Shannon Bragg-Sitton
Idaho National Laboratory

Scientific or technical leadership in a nuclear enterprise of substantial scope.

For being a pioneer in the innovative application of nuclear energy alongside other clean energy generators, successfully enabling novel cross-sectoral collaboration and establishing tools and techniques that will maximize clean energy utilization, generator profitability, environmental sustainability, and grid reliability and resilience through systems integration.

Opening Plenary Session Awards

ANS Fellow



Presented to:

Mr. Carl Rick Grantom

C.R. Grantom P.E. & Assoc. LLC (CRG LLC)

Scientific or technical leadership in a nuclear enterprise of substantial scope.

For contributing significantly to the way U.S nuclear power plants operate through the original development, approval, and implementation of first-of-a-kind risk-informed methods and applications. His visionary leadership has led to new regulatory risk-informed approaches as well as new industry-accepted methods that improve safety while also providing cost efficiencies.



Presented to:

Dr. Andrew Klein

Oregon State University

Outstanding leadership as a teacher in the nuclear field.

For being a leader of the next generation in nuclear science, academic achievement, and leadership. His passion for education demonstrates an emphasis on students as the future of ANS.

Opening Plenary Session Awards

ANS Fellow



Presented to:

Dr. Elia Merzari

Pennsylvania State University

Notable original research or invention in the nuclear field.

For his scientific leadership and his significant and sustained contributions to the understanding of thermal hydraulics phenomena of importance to advanced reactors through modeling and simulation. His efforts in developing high-resolution multi-physics models and codes have paved the way to the next generation of thermal-hydraulic computing.



Presented to:

Mr. Steven Nesbit

LMNT Consulting, LLC

Scientific or technical leadership in a nuclear enterprise of substantial scope.

For being a prominent and effective leader and spokesperson for the beneficial use of nuclear technology, including his work in the project to dispose of surplus weapons plutonium by converting it to MOX fuel and using it in commercial nuclear reactors.

Opening Plenary Session Awards

E. Gail de Planque Medal



Presented to:
Dr. Debra Callahan
Focused Energy, Inc

For her leadership in inertial confinement fusion ‘hohlraum’ physics and contributions to the science of implosion symmetry control, enabling the creation of the first ignited plasmas.



Presented to:
Dr. Anna S. Erickson
Georgia Institute of Technology

For her pioneering accomplishments and trailblazing achievements in the field of nuclear science and engineering uniquely synthesizing revolutionary research contributions, multidisciplinary multi-platform education, and public policy to advance nuclear science and technology.

Standards Service Award



Presented to:
Dr. Jean-Francois Lucchini
Los Alamos National Laboratory

For his excellent leadership in maintaining current standards and for reinvigorating the American Nuclear Society’s Fuel, Waste, and Decommissioning Consensus Committee with new membership, which has better positioned the committee to support future industry needs for standardization.

Opening Plenary Session Awards

Mary Jane Oestmann Professional Women's Achievement Award



Presented to:

Dr. Leigh Winfrey

SUNY Maritime College

For her outstanding and trailblazing contributions to fusion technology, research and education and her outstanding leadership in the Society.

Untermeyer & Cisler Reactor Technology Medal



Presented to:

Prof. Andrew Whittaker

University at Buffalo, SUNY

For contributions and leadership in the development of seismic isolation technology and the corresponding regulatory framework.

Opening Plenary Session Awards

Social Responsibility in the Nuclear Community Award



Presented to:

Dr. J'Tia Hart

Idaho National Laboratory

For outstanding and sustained efforts to increase diversity, equity and inclusion in the nuclear field.

Landis Public Communication & Education Award



Presented to:

Ms. Bobbi Riedel

University of New Mexico

For outstanding efforts in outreach and public education across the state of New Mexico.

Opening Plenary Session Awards

Young Members Advancement Award (YMG)



Presented to:

Dr. Lane B. Carasik

Virginia Commonwealth University

For his continued dedication to the advancement and support of young members within the American Nuclear Society and the nuclear industry.

Young Members Excellence Award (YMG)



Presented to:

Mr. Patrick J. Snouffer

Zeno Power Systems

For his work in advocating for nuclear science, engineering, and technology, and being the perfect brand ambassador for the ANS Young Members Group.



American Nuclear Society

ANS Special Session Awards

Tuesday, November 14, 2023

8:00–9:45AM

Presentation Of Awards

Kenneth Petersen
President 2023-2024
American Nuclear Society



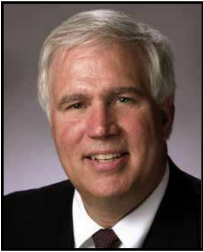
AWARD RECIPIENTS

Presidential Citations

Darlene Schmidt Science News Award

ANS President's Special Session Awards

Presidential Citations



Presented to:

Dr. Richard A. Meserve

Covington & Burling LLP

Through his efforts as Chair of the National Academies of Sciences, Engineering, and Medicine (NASEM) Consensus Committee on *Laying the Foundation for New and Advanced Nuclear Reactors in the United States*, Dr. Meserve has helped provide the nation with a comprehensive roadmap for the commercial deployment of advanced reactor technology.



Presented to:

Mr. Amir Afzali

Nuclear Consulting Group

For being the driving force behind the Licensing Modernization Project and the Technology-inclusive Content of Application Projects, which have produced substantive advances in risk-informed, performance-based licensing and are real improvements to the advanced reactor licensing framework.

ANS President's Special Session Awards

Presidential Citations



Kairos Power

Presented to:
Kairos Power LLC

For their accomplishments getting the HERMES advanced test reactor through the licensing pipeline quickly and effectively.



Presented to:

Mr. Jeffrey S. Merrifield

Pillsbury Winthrop Shaw Pittman LLP

For his thought leadership on behalf of the American Nuclear community, Jeff is being recognized for his work as an U.S. Nuclear Regulatory Commission Commissioner and his leadership role in the area of advanced reactors. Jeff is always working to improve the competitiveness of the U.S. nuclear enterprise.

ANS President's Special Session Awards

Presidential Citations



Presented to:
Dr. Peter N. Swift
Sandia National Laboratory

For being the lead author on the *Recommendations on Postclosure Aspects of Generic Standards for the Permanent Disposal of Spent Nuclear Fuel and High-Level and Transuranic Radioactive Wastes in the United States* report which provides a recommended framework for revisiting U.S. Environmental Protection Agency (EPA) geologic repository standards.



Presented to:
Mrs. Maria G. Korsnick
Nuclear Energy Institute

For her unwavering commitment to advancing the American nuclear enterprise.

ANS President's Special Session Awards

Darlene Schmidt Science News Award



Presented to:
Catherine Clifford
CNBC.com

For continually identifying unexplored nuclear topics that are pertinent to the global energy discussion as well as to the evolution and history of the nuclear industries.

Committee Awards

Glenn T. Seaborg Congressional Science and Engineering Fellowship



Presented to:
Dr. Emily Caffrey
University of Alabama at Birmingham



Presented to:
Mr. William Murray
GE-Hitachi Nuclear Energy

Committee Awards

Local Section Meritorious Awards (ETWDD & LSC)

The Local Section Meritorious Award is presented to the ANS local sections that have conducted the most worthwhile events; have shown outstanding membership growth, participation, and administration during the award year.

This year's recipients are:

Best Overall

Pittsburgh Local Section

Best Meetings and Programs

Georgia Local Section

Best Local Section Management & Best Recruitment

Savannah River Local Section

Best Public Information and Education

Northeastern Local Section

Samuel Glasstone Awards (ETWDD & SSC)

The Samuel Glasstone Award recognizes outstanding ANS Student Sections.

This year's recipients are:

Missouri University of Science and Technology (Best Section)

University of Puerto Rico in Mayagüez (Second Place)

University of Illinois Urbana-Champaign (Third Place)

Division Awards

Mark Mills Award (ETWDD)



Presented to:

Mr. Victor Coppo Leite

Pennsylvania State University

For his work entitled: *Convolutional Neural Network–Aided Temperature Field Reconstruction: An Innovative Method for Advanced Reactor Monitoring.*

Student Design Competition (ETWDD)

The following are the finalists in the undergraduate category (in no particular order):

Subcritical Test Assembly - Senior Design Project

University Tennessee, Knoxville

Authors: Daniel G. Racz, Gabriel F. Lentchner, Nicholas J. Branam, Sinan Zhang, and Sophia C. Hitson

Event Sequence Analysis to Support a Full Scope Dynamic Probabilistic Risk Assessment Framework for the PULSTAR Research Reactor

North Carolina State University

Authors: Maddison M. Barber, May Wells, Alex Chaisson, and Mihai A. Diaconeasa

Cask Design and Offline Processing of Fuel Salt via Fluorination and Impurity Absorption for MSR Nuclear Waste

Georgia Institute of Technology

Authors: Gracie Eccleston, Jana Shade, Zach Welchel, and Caryanne Wilson

Large-Area Plasma-Liquid Reactors for Water Purification in Space

University of Illinois, Urbana-Champaign

Authors: Sean M. Peyres, Jasmine Dinari, and Matt Koska

Design Optimization of an Organic-Cooled Light-Water-Moderated Micro-Reactor for Electricity and Hydrogen Generation

Massachusetts Institute of Technology

Authors: Sean M. Peyres, Jasmine Dinari, and Matt Koska

Division Awards

Edward Teller Award (FED)



Presented to:

Dr. Otto Landen

Lawrence Livermore National Laboratory

For pioneering contributions to High Energy Density and Inertial Confinement Fusion Science and for his leadership in achieving ignition on the National Ignition Facility. Presented at the International Conference on Inertial Fusion Sciences and Applications (IFSA), September 25-29, 2023, Denver, CO.



Presented to:

Prof. Peter Norreys

Oxford University

For pioneering research and leadership in the use of high intensity lasers for producing unique electron, ion and x-ray beams and their applications to fast ignition fusion, advanced accelerators and probing of plasmas. Presented at the International Conference on Inertial Fusion Sciences and Applications (IFSA), September 25-29, 2023, Denver, CO

Division Awards

Bal-Raj Sehgal Memorial Award (THD) (RPD)



Presented to:

Prof. Annalisa Manera

ETH Zürich

For her novel contributions to high-resolution thermal-hydraulics experiments, and the development of innovative multiphysics and multiscale CFD-based computational tools for nuclear reactor applications. Presented at the International Topical Meeting on Nuclear Reactor Thermal Hydraulics (NURETH-20), August 2023 in Washington, DC.

Technical Achievement Award (THD)



Presented to:

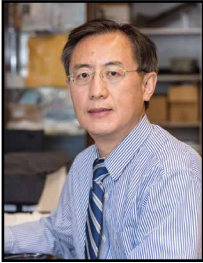
Prof. Seungjin Kim

Purdue University

In recognition of his outstanding contribution towards advancing two-phase flow experimental capabilities, fundamental understanding of two-phase flow transport phenomena, and reactor thermal-hydraulic analysis. Presented at the CFD: 1 session in Room Columbia 10 on Monday afternoon, Nov. 13.

Division Awards

Radiation Science & Technology Award (IRD)



Presented to:

Dr. Lei Cao

The Ohio State University

For accomplishments to establish the field of wide band-gap semiconductor sensors for nuclear fuel cycle and advanced reactor monitoring. Presented at the IRD General session Wednesday November 15.

Theos J. “Tommy” Thompson Award (NISD)



Presented to:

Dr. Ian B. Wall

Consultant

For lifelong leadership conceiving, developing, and applying probabilistic concepts to improve nuclear safety, including PRA methods, standards, and insights supporting design, operations, and regulation. The award will be presented at the Embedded Topical Meeting on Advanced Reactor Safety (ARS), June 2023 in Las Vegas, NV.