



ANS[®]

2025 ANNUAL CONFERENCE

June 15–18 | Chicago Marriott Downtown | Chicago, IL

ENERGIZING



THE WORLD

Honors and Awards Recipients

Opening Plenary Awards

Monday, June 16, 2025
8:00–11:30AM



Presentation of Awards:
Hash Hashemian,
Honors and Awards Committee
Chair

AWARD RECIPIENTS

ANS FELLOW AWARDS

WALTER H. ZINN MEDAL

UNTERMYER & CISLER REACTOR TECHNOLOGY MEDAL (AESJ)

LANDIS YOUNG MEMBER ENGINEERING ACHIEVEMENT AWARDS

MISHIMA AWARD

SPECIAL AWARD FOR SECURE DIGITAL CONTROL SYSTEMS FOR ADVANCED REACTORS / ADVANCEMENT OF ENABLING TECHNOLOGIES FOR ADVANCED REACTORS

ANS Fellows



Presented to:

Mr. Johnathan Chavers
Southern Nuclear Operating Company

Outstanding achievement in design, engineering, or operations in the nuclear power field or other applications of nuclear technology.

In recognition of his pivotal leadership in advancing the U.S. Accident Tolerant Fuel (ATF) program and other innovations in commercial nuclear fuel for light water reactors. His work has aligned stakeholders, fostered collaborations, and communicated effectively on an international stage, driving innovation and strategic direction while mitigating risks.



Presented to:

Mr. Paul T. Dickman
Argonne National Laboratory

Outstanding efforts in the areas of nuclear health, safety, safeguards, or regulation.

In recognition of his exceptional expertise in the environmental management of nuclear materials worldwide, his significant contributions to the efficient regulation of civilian nuclear energy, and his instrumental role in driving positive changes to nuclear policy both nationally and internationally. His work has profoundly advanced the safe and effective use of nuclear technology, reflecting his dedication to excellence and global impact in the field.

ANS Fellows



Presented to:

Prof. Simon Pimblott
Idaho National Laboratory

Notable original research or invention in the nuclear field.

In recognition of his outstanding scientific and technical leadership in both academia and at Idaho National Laboratory. His pioneering work in developing and applying stochastic simulation methodologies has significantly advanced the understanding and prediction of nonhomogeneous chemical effects of radiation in extreme environments, making a profound impact on the field of nuclear science and technology.



Presented to:

Dr. Glenn E. Sjoden
University of Utah

Outstanding leadership as a teacher in the nuclear field.

In recognition of pioneering parallel computing in particle transport equations and adaptive numerical methods, impacting reactor core modeling, fuel burnup, nuclear security, and medical diagnostics. For contributing to advancement of U.S. national security in treaty compliance, nuclear forensics, and global nonproliferation. For mentoring and educating the next generation of nuclear engineers and scientists.

ANS Fellows



Presented to:

Dr. Chul-Hwa Song
Korea Atomic Energy Research Institute

Notable original research or invention in the nuclear field.

In recognition of his outstanding research contributions to advancing nuclear reactor thermal hydraulics and safety, and for his 40 years of tireless leadership at the Korea Atomic Energy Research Institute, fostering international collaboration and innovation.



Presented to:

Dr. Chris Stanek
Los Alamos National Laboratory

Notable original research or invention in the nuclear field.

In recognition of his pioneering contributions to fuel and materials research and his exceptional leadership in advancing modeling and simulation for nuclear energy.

Walter H. Zinn Medal



Presented to:

Dr. Joel D. Rhodes, III

Studsvik Scandpower

In recognition of outstanding technical leadership in the development, production, distribution, and support of the Studsvik Core Management System (CMS), which is extensively used throughout the world for steady-state and transient reactor physics analysis.

Untermeyer & Cisler Reactor Technology Medal (AESJ)



Presented to:

Dr. Rui Hu

Argonne National Laboratory



Presented to:

Dr. Elia Merzari

Pennsylvania State University

In recognition of their achievements in science and engineering of thermal fluids to advance nuclear reactor technology and leadership in a multi-laboratory program on advancement of state-of-the-art in thermal-fluids simulations in support of design and licensing of advanced reactors.

Landis Young Member Engineering Achievement Awards



Presented to:

Dr. Nathan Allen Capps

Oak Ridge National Laboratory

For his leadership in advancing the safe and economic expansion of nuclear power by leveraging advanced modeling and simulation to facilitate accelerated testing and licensing of high burnup and accident-tolerant fuel.



Presented to:

Dr. Christopher Perfetti

University of New Mexico

For advancing the state-of-the-art in Monte Carlo particle transport methods applied to the sensitivity analysis of nuclear reactors and nuclear criticality safety.



Presented to:

Dr. Fan Zhang

Georgia Institute of Technology

For pioneering contributions to nuclear cybersecurity through innovative machine learning approaches, developing patent-pending technology, and establishing Georgia Tech as a leader in the field. Dr. Zhang's groundbreaking work with the IAEA and on robot-assisted nuclear plant monitoring demonstrates exceptional impact on global nuclear safety and security.

Mishima Award



Presented to:

Dr. Todd Allen

University of Michigan

For distinguished contributions in understanding irradiation and environmental effects in materials, in developing new platforms for the dissemination of research work, and in the creation and implementation of national and international programs to advance the performance and associated scientific basis for materials for nuclear energy systems.

Special Award For Secure digital control systems for advanced reactors / Advancement of enabling technologies for advanced reactors



Presented to:

Mr. Robert C. Ammon, Jr.

Curtiss Wright Nuclear Group, Sciencetech

In recognition of his achievements that are a testament to his unwavering dedication, technical acumen, and innovative spirit. His relentless pursuit of excellence will ensure that these advanced reactor designs are brought to full fruition, creating a secure, carbon free future for generations to come.

Tuesday Special Session

Tuesday, June 17, 2025
8:00–9:45AM EDT



Presentation of Presidential Citations:
Lisa Marshall
President 2024-2025
American Nuclear Society

AWARD RECIPIENTS

PRESIDENTIAL CITATIONS

OUTGOING PRESIDENT APPRECIATION

Presidential Citations



Presented to:

Dr. Matthew Jasica

Argonne National Laboratory

For his commitment and leadership of the ANS Cares Committee, bringing attention and action to our membership.



Presented to:

Prof. Elizabeth Sooby

University of Texas San Antonio

For her commitment and leadership of the ANS Cares Committee, bringing attention and action to our membership.

Presidential Citations



Presented to:

Katy Worrell

University of Tennessee Knoxville

For her commitment and leadership of the ANS Student Section Committee, providing perspective and mentorship for students of nuclear science and technology.



Presented to:

Julie G. Ezold

Oak Ridge National Laboratory

For her commitment and leadership of the ANS Scholarship Policy and Coordination Committee, managing and coordinating scholarship programs for students pursuing nuclear science and engineering.

Presidential Citations



Presented to:

Andrew E. Thomas

Idaho National Laboratory

For his commitment and leadership of the ANS CONTE 2025 as technical program chair.



Presented to:

Lori Brady

Nuclear Energy Institute

For her commitment and leadership of the ANS CONTE 2025 as the general chair.

Presidential Citations



Presented to:

Hon. Kathryn D. Huff

U.S. Department of Energy-DC

For her commitment and leadership in the nuclear science and engineering community, her steadfast interaction with members, especially students, and continued commitment to the sector's direction.



Presented to:

**Hon. William D. Magwood,
IV**

Nuclear Energy Agency

For his leadership on the international level for the advancement of nuclear science and technology. The commitment to new and emerging nations, the advancement of women as well as young people and professionals.

Presidential Citations



Presented to:

Shirly Rodriguez Rojas

SuperCritical Technologies

For her commitment to nuclear science and technology, especially her work at the international level and with emerging nations.



Presented to:

Dr. Farzad Rahnema

Georgia Institute of Technology

For his commitment and leadership in the production of Nuclear Science and Engineering. This journal provides valuable new knowledge to members and the larger community.

Presidential Citations



Presented to:

Dr. Sandra Dulla

Politecnico di Torino

For her commitment and leadership in the production of Nuclear Science and Engineering. This journal provides valuable new knowledge to members and the larger community.

Presidential Citations



Presented to:

Dr. Yassin A. Hassan

Texas A&M University

For his commitment and leadership in the production of Nuclear Technology. This journal provides valuable new knowledge to members and the larger community.



Presented to:

Prof. Kan Wang

Tsinghua University

For his commitment and leadership in the production of Nuclear Science and Engineering. This journal provides valuable new knowledge to members and the larger community.



Presented to:

Dr. Jamie Coble

University of Tennessee Knoxville

For her commitment and leadership in the production of Nuclear Technology. This journal provides valuable new knowledge to members and the larger community.

Presidential Citations



Presented to:

Dr. Kamil Tucek

*European Commission Directorate-
General for Energy*

For his commitment and leadership in the production of Nuclear Technology. This journal provides valuable new knowledge to members and the larger community.



Presented to:

Dr. Leigh Winfrey

SUNY Maritime College

For her commitment and leadership in the production of Fusion Science and Technology. This journal provides valuable new knowledge to members and the larger community.

Presidential Citations



Presented to:

Dr. Arkady Serikov

Karlsruhe Institute of Technology

For his commitment and leadership in the production of *Fusion Science and Technology*. This journal provides valuable new knowledge to members and the larger community.



Presented to:

Dr. Lane B. Carasik

Virginia Commonwealth University

For his commitment and leadership in the production of *Fusion Science and Technology*. This journal provides valuable new knowledge to members and the larger community.

Presidential Citations



Presented to:
Harsh Desai
Zeno Power

For his continual commitment to the American Nuclear Society and larger nuclear enterprise. In particular, his dutiful service to the Society as ANS Treasurer for the past two years.

Outgoing President Appreciation



Presented to:
Lisa Marshall
President, 2024 – 2025

For outstanding leadership and dedication during her term as President of the American Nuclear Society (ANS).

During her term, Lisa Marshall demonstrated an exceptional commitment to representing the American nuclear community on a global scale and fostering stronger relationships with nuclear organizations worldwide. Lisa's efforts have not only highlighted the benefits of nuclear technologies but also promoted inclusivity within the sector.

Lisa's extensive level of engagement has been instrumental in shaping international and national policies and advancing the mission of ANS. Her dedication to outreach, coupled with her leadership in various educational and professional initiatives, has made a lasting impact on the Society and the broader nuclear community.

For these and other contributions to the ANS and the nuclear community it represents, we thank Lisa Marshall for her invaluable service.

Presented by Hash Hashemian, Vice-President 2024-2025, American Nuclear Society

Division Awards

Arthur Holly Compton Award in Education (ETWDD)



Presented to:

Dr. James E. Baciak

University of Florida

In recognition of his groundbreaking academic achievements and expansive outreach endeavors in the field of nuclear science and engineering, marked by innovative instructional methods, impactful mentorship, dedicated workforce development, and stewardship of nuclear education.

Division Awards

Don Miller Awards (HFICD)



Presented to:

Mr. Kenneth G. Lowery

Southern Nuclear Operating Company

In recognition of his exceptional contributions to the field of nuclear instrumentation and control through pioneering leadership and innovative work that have advanced the industry.



Presented to:

Mr. Stephen A. Fleger

*U.S. Nuclear Regulatory Commission
(retired)*

In recognition of his lifelong commitment to ensuring the safe design, construction, and operation of nuclear reactors through the application of human factors principles.

Division Awards

H.M. Hashemian Mid-Career Award (HFICD)



Presented to:

Dr. Vivek Agarwal

Idaho National Laboratory

In recognition of advancing nuclear energy sustainability and expanded deployment through artificial intelligence and machine learning innovations, automating plant processes, and developing predictive maintenance strategies, significantly enhancing operational efficiency and cost-effectiveness in the nuclear industry.

Ted Quinn Early Career Award (HFICD)



Presented to:

Dr. Majdi I. Radaideh

University of Michigan Ann Arbor

In recognition of his consistent contributions to autonomous control algorithms, digital twins, and fault detection with machine learning for nuclear reactor systems.

Division Awards

Gerald C. Pomraning Memorial Award (MCD)



Presented to:

Prof. Piero Ravetto

Politecnico di Torino

For his original contributions to the development of analytical and numerical methods for the solution of neutron transport problems; for his innovative work in reactor dynamics, including the mathematical assessment of the quasi-static approach; for the development of methods for the efficient simulation of the physics of advanced reactors and source-driven systems; for the interpretation of kinetic experiments; and for his enduring dedication to educating nuclear engineers.

MCD Young Member's Research Achievement Award (MCD)



Presented to:

Dr. Majdi I. Radaideh

University of Michigan

For innovative research on the development of large-scale optimization, uncertainty quantification, and machine learning algorithms for nuclear engineering applications.

Division Awards

Early Career Reactor Physicist Award (RPD)



Presented to:

Dr. Abdalla Abou-Jaoude

Idaho National Laboratory

In recognition of his innovations, impactful contributions, and esteemed early career pioneering novel reactor physics capabilities in the area of advanced nuclear technology.

Meritorious Service Award (THD)



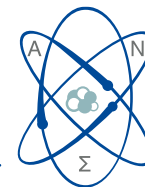
Presented to:

Prof. Bao-Wen Yang

DEGNY Delta Energy Group New York

In recognition of his long-standing and exemplary service and contributions, and devoted leadership to the nuclear thermal-hydraulics community and profession.

Alpha Nu Sigma National Honor Society



The Alpha Nu Sigma National Honor Society, established by the American Nuclear Society's Education, Training and Workforce Development Division, recognizes high scholarship, integrity, and potential achievement among outstanding degree-seeking nuclear engineering students at institutions of higher learning. The following individuals have been inducted into the Alpha Nu Sigma National Honor Society in 2025

Excelsior University

Ryan Anders
Matt Anderson
Jacob Arak
Kyle Berry
Jacob Brown
Lane Caster
Jessica Cavanah
Stephen Comalander
Joshua Cummings
Clayton Drew
Christopher Gerke
Zachary Jernigan
Mike Jones
Armen Garo Kouyoudjian
Stephen Law
Joseph Maki
Michael McMenamin
Dave Provost
Michael Straight
Haley Todd
Jeffrey Veitch
Regan Weiland
Bryan Wu

Missouri University of Science and Technology

Benjamin Martin
Leyton Porterfield
Landon Viers
Tommy Williams

Pennsylvania State University

Sean Dailey
John Flaherty
Lillian Forry
Adam Gaghan
Dade George
Sadiah Khan
Nada Maher Kerba
Elia Merzari

Pennsylvania State University Continued

James Miles
Arthur Motta
Ethan Nagelberg
Andrew Sallie
Roman Samulyak
Jake Tartamella
Xing Wang
Dan Williams

Purdue University

Daniel Barna
Charles Behrman
Jessica Marie Bober
Peter Bradshaw
Nathan Lewis Chapman
Tyler Fitts
Ethan Isaac Gersos
Jacob Hannon
Jonathan Koziarz
Timothy Lane
Hannah Pike
Konstantinos Prantikos
Bradley Sapoff
Connor R Schleeweis
Parker Smith
Preston Mark Valentine
Ryan Christian Zerpa

United States Military Academy (West Point)

Jonathan Clements
Jameson Connors
William Cooper
Christopher Gayton
Reagan Killebrew
Gretchen Russell
Dylan Treece
Eli Vanderkolk
Hunter Wendland

University of Michigan

Matthew Granados
Kyle Keipper
Daniele Fatto Offidani
Naomi Rogers
Abraham Skoczylas
Dylan Stone
Sabrina Vanyo
Lingfeng Zhou

University of Tennessee

Kyndal Biladeau
Evan Brown
Adam Buchalter
James William Carnal
Justin Clarity
Brian Cowell
Eli Crouse
Alexander Loren DeGrado
Michael Ecklund
Edan Kai Estes-Lumpkin
Mason Fox
Nicholas Allen Gentry
Travis M Greene
Luke Hansen
Erick Hoegberg
Ketaki Joshi
Jacob Petersen
James Pierce
Zehui Qi
Daniel Racz
Marina Rizk
Thomas Siggillino
Teja Vallabhaneni
Madison E. Vandergriff
Noah Anthony Walton
Destiny White

University of Tennessee-Knoxville

Salman Alamini
Lauren Sydney Bailey
Marc Blakey

Bernadette Evelyn Brezinski
Riley Burnette
Jackson Clayton Cagle
Rory Mason Coll
Blake Deterding
John Paul Anthony Dieffenthaler
Evan Dunn
Zeke Flores
William Melville Garner
Josina Wilhelmina Geringer
Peyton Helms
Joshua Herrera
Levi Holler
Wyatt Ingram
Silas John
Andie-Marie Jones
Eli Payne Logan
Michael May
Andrew McGann
Nicholas Akira Meehan
Emily Meilus
Daniel James Metcalf
Andrew Michael Nack
Hari Vishwa Naicker
Lam Ba Hoang Nguyen
Pradyumna Parshi
Caitlyn B Parsons
Lauren Pate
Ryan Pollard
Brian Putra
William Jackson Reed
Alexander Michael Roberts
Davide Rotilio
Kenneth Sanders
Sean Smith
Jackson Nye Stanley
Elle Street
Trevor Terrell
Savannah Watson
Landry Davis Wells
Austin Welsh
Megan Elizabeth Whittle
Chilson J. Whittum



American Nuclear Society Scholarship Award Recipients

The ANS Scholarship Policy and Coordination Committee have announced the scholarship recipients for the 2025-2026 academic year. This year ANS awarded 96 scholarships totaling \$226,500. Thank you to [all the donors](#) who have generously supported our scholarship programs.

Community College/Trade School

Kent Hamlin Memorial Scholarship

Henry Phuc Tran - Research Medical Center School of Nuclear Medicine Technology

ANS CARES / Financial Need-Based

Nontraditional Student Scholarships

Olamide Olabiye - Missouri University of Science and Technology
Winona Wiley - Georgia Institute of Technology

John and Muriel Landis Scholarship

Sherry Adadi - Georgia Institute of Technology
Nuvyn Bazid - Virginia Commonwealth University
Carolina da Silva Bourdot Dutra - Pennsylvania State University
Alina Jugan - Massachusetts Institute of Technology
Nestor Rodriguez-Flores - North Carolina State University

Community College / Trade School

John Eichholz - Three Rivers Community College

Undergraduate

ANS Incoming Freshman

Brayden Barnes - Fusion Global Academy (MI)
Robert Burns - Rhea County High School (TN)
Zoë Chandler - Midlothian Heritage High School (TX)
Haley Evenson - Apex Friendship High School (NC)
Nicholas Flowers - Napoleon Junior/Senior High School (OH)
Owen Giampetro - Lower Dauphin High School (PA)
Lillian Gleason - Forest Hills Eastern (MI)
Ashley House - Magnet Innovation Center (FL)
Noelle Kim - Fairmont Preparatory Academy (CA)
Samuel Kyser - Madeira High School (OH)
Megan Johnson - St. Charles West (MO)
Adler Knight - Lake Lure Classical Academy (NC)
Alexander Mallet - Berlin Metropolitan School
Anthony Pruemer - Crest High School (NC)
Daniel Rojas - Warren High School (CA)
Ivan Sakhranov - Sage Creek High School (CA)
Jack Schoonover - The Vanguard School (CO)
Ema Szum - Providence Catholic High School (IL)
Thomas Tackett - Providence School - Homeschool (NC)

ANS Sophomore Scholarship

Brij Bhagat - Virginia Tech
Kailey Frangella - University of Illinois Urbana-Champaign
Cecilia Harrison - North Carolina State University
Matthew Salek - University of Illinois at Urbana-Champaign

ANS Undergraduate (Junior/Senior)

Ryan Alferink - University of Missouri - Columbia
Kira Burt - Texas A&M University
Hayden Davies - Missouri University of Science and Technology
Katarina Dries - University of Wisconsin-Madison
Ulises Henriquez - Pennsylvania State University
Mayra Injerd - Thomas Edison State University
Asher Jewell - University of Wisconsin-Madison
Max Richardson - University of Rhode Island
Nestor Rodriguez-Flores - North Carolina State University
Owen Strong - University of Illinois Urbana-Champaign
Anastasiia Usmanova - Colorado School of Mines
Ethan Villarreal - Virginia Commonwealth University
Calvin Washburn - Georgia Institute of Technology

ANS Raymond DiSalvo Memorial Scholarship

Arist Hu - University of Illinois Urbana-Champaign

Sushil C. Jain Undergraduate Scholarship

David Cerny - University of California - Berkeley

William R. & Mila Kimel Nuclear Engineering Scholarship

Piper Fernau - University of Illinois at Urbana-Champaign
Derek Lewis - Georgia Institute of Technology
Kaitlin Perry - North Carolina State University
Caleb Sifton - Texas A&M University

John R. Lamarsh Memorial Scholarship

Alaina Cummings - Pennsylvania State University
Gavin Standish - Virginia Commonwealth University

Hans P. Loewen Memorial Scholarship

Charles Behrman - Purdue University

Joseph Naser HFICD Undergraduate Scholarship

Emily Gillmore - University of Illinois at Urbana-Champaign

Nuclear Criticality Safety Pioneers Scholarship

Eirena Klemes - North Carolina State University

ANS/ASME Barry Sloane Memorial Undergraduate Scholarship

Amy Whitley - North Carolina State University

Fusion Energy Division Dr. Kenneth R. Schultz Undergraduate Scholarship

Levi Hancock - Brigham Young University

Rudi Stamm'ler Reactor Physics Division Scholarship

Dylan Frank - Texas A&M University

Accelerator Applications Division Scholarship

Jack Gerrity - University of Illinois at Urbana-Champaign

Operations and Power Division Scholarship

Drew Barringhaus - Missouri University of Science & Technology
Winona Wiley - Georgia Institute of Technology

Graduate

ANS Graduate

Farah Ra'ed Alsafadi - North Carolina State University
Brandon Aranda - Massachusetts Institute of Technology
Aya Hegazy - University of Illinois at Urbana-Champaign
Alina Jugan - Massachusetts Institute of Technology
John Mobley IV - University of Michigan
Shane Olson - Texas A&M University
Andrew Panter - University of Michigan
Riley Trendler - University of Illinois Urbana-Champaign

Everitt P. Blizzard Graduate Scholarship

Daniel Eckerberg - Kansas State University

Robert A. Dannels Memorial Scholarship

Grayson Gall - North Carolina State University

Decommissioning & Environmental Sciences Division Graduate Scholarship

Klemmer Nicodemus - Colorado School of Mines

Vincent J. Esposito Thermal-Hydraulic Graduate Scholarship

Lauren Kohler - North Carolina State University

Ely M. Gelbard Graduate Scholarship

Carolina da Silva Bourdot Dutra - Pennsylvania State University

Gozani Family Graduate Scholarship

Anna Jones - University of Tennessee, Knoxville

Alan F. Henry/Paul A. Greebler Memorial Scholarship

Mamoud Eltwala - University of Illinois at Urbana-Champaign

Lawrence E. Hochreiter Graduate Scholarship

Sierra Tutwiler - Virginia Commonwealth University

Saul Levine Memorial Scholarship

Akram Batikh - North Carolina State University

Michael J. Lineberry Graduate Scholarship

Brent Stout - Texas A&M University

Fuel Cycle & Waste Management Division John D. Randall Scholarship

Sarah Cole - Massachusetts Institute of Technology

ANS Massimo Salvatores Memoriam Graduate Scholarship (RPD)

Pavel Simeonov - North Carolina State University

James F. Schumar Scholarship

Lauryn Kortman - University of Michigan - Ann Arbor

Robert E. Uhrig Graduate Scholarship

Carlo Dal Colletto - Texas A&M University

Vogt Radiochemistry Scholarship

Shams Al Azzawi - Virginia Commonwealth University

Local Sections

ANS Chicago - Great Lakes Local Section Scholarship

Daniel Layer - The Ohio State University

ANS Colorado Nuclear Science and Technology Scholarship

Taven Brewer - Colorado School of Mines

ANS Oak Ridge / Knoxville Local Section Undergraduate Scholarship

Lauren Bailey - University of Tennessee, Knoxville
Anna Jones - University of Tennessee, Knoxville
Abdulrasheed Sado - University of Tennessee, Knoxville

ANS Pittsburgh Local Section Undergraduate Scholarship

Dade George - Pennsylvania State University

ANS Pittsburgh Local Section Graduate Scholarship

Samuel Scarton - University of Pittsburgh

ANS Washington DC Local Section Jeffrey A. Gorman Undergraduate Scholarship

Aiden Gonzalez - Pennsylvania State University

Washington DC Local Section George P. Shultz and James W. Behrens Graduate Scholarship

Meredith Eaheart - University of Michigan - Ann Arbor
Pearle Lipinski - The Ohio State University

More to be determined.