



American Nuclear Society

ANS Opening Plenary Session Awards

Monday, June 10, 2019

8:00 am–11:15 am

AWARD RECIPIENTS

Presentation of Awards:

Hussein S. Khalil,

Honors and Awards Committee Chair

ANS Fellow Awards

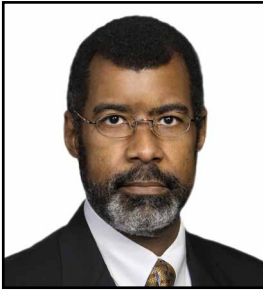
ANS Special Award / Topic: Modernization or Enhancement of the Regulatory Framework for Nuclear Energy Development

Landis Young Member Engineering Achievement Award

Mishima Award

Arthur Holly Compton Award in Education (ETWDD)

ANS Fellows



Presented to:

Mr. William D. Magwood, IV
OECD Nuclear Energy Agency

For his major and often transformative contributions to mission accomplishments at Department of Energy, Nuclear Regulatory Commission and OECD/Nuclear Energy Agency. He created and led major programs impacting the success of AP 1000, NuScale, GEN IV, and the INL. In addition, he strengthened reactor safety in a post-Fukushima world.



Presented to:

Dr. Rajesh Maingi
Princeton Plasma Physics Laboratory

For his pioneering technical contributions and outstanding international leadership to fusion tokamak boundary plasma physics, plasma-wall interactions, transport and turbulence, and integrated scenario development in fusion magnetic confinement devices.

ANS Fellows



Presented to:

Dr. James A. Morman
Argonne National Laboratory

For his sustained, effective contributions (technical, training, leadership) to the field of nuclear criticality safety. Furthermore, his career achievements range from unique critical experiment techniques to management of international research reactor LEU conversion projects.

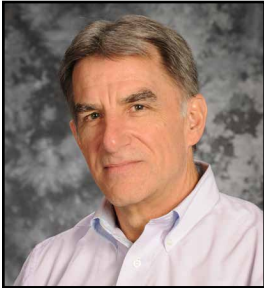


Presented to:

Dr. Robert W. Youngblood
Idaho National Laboratory

For his contributions to research, training, and innovations that have advanced the state of the art and practice in probabilistic risk assessment, risk-informed performance-based regulation, and system safety management, as well as his leadership in DOE's Risk Informed Safety Margin Characterization program.

ANS Special Award/Topic: Modernization or Enhancement of the Regulatory Framework for Nuclear Energy Development



Mr. Jim Kinsey



Mr. Mark Holbrook



Mr. Wayne Moe

Presented to:

**Mr. Jim Kinsey, Mr. Mark Holbrook
and Mr. Wayne Moe
Idaho National Laboratory**

In recognition of their exemplary efforts in leading a multi-organizational effort to modernize the US regulatory framework to expedite the licensing of advanced reactors.

Landis Young Member Engineering Achievement Award



Presented to:

Dr. Piyush Sabharwall
Idaho National Laboratory

For pioneering research and development in passive heat removal systems to support advanced (molten salt cooled, gas-cooled and liquid metal cooled) reactors, tritium mitigation and removal, uncertainty quantification for non-intrusive flow measurement technique, and analyzing accident tolerant fuel for current LWRs.

Mishima Award



Presented to:

Dr. Yutai Katoh
Oak Ridge National Laboratory

For being a leading architect of today's nuclear grade ceramic composites, elevating them from laboratory curiosity to engineering materials of importance through the application of fundamental materials science.

Arthur Holly Compton Award in Education (ETWDD)



Presented to:

Dr. J. Wesley Hines
University of Tennessee, Knoxville

For his service to the ANS Education, Training & Workforce Development Division, national impact through graduates and innovating nuclear engineering programs, and developing an invigorating and outstanding NE PhD program.



American Nuclear Society

President's Special Session

Tuesday, June 11, 2019
8:00 am–10:00 am

AWARD RECIPIENTS

Presentation of Award:

Marilyn Kray,
ANS Vice President/President Elect

Outgoing President Appreciation

Mr. John Kelly,
President, American Nuclear Society

Presidential Citations

Outgoing President Appreciation



Presented to:

Mr. John Kelly

President, American Nuclear Society

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

During his term, John Kelly played a highly influential role in strengthening ANS by highlighting the importance of nuclear energy in the world today and in the future. His focus on improving value of ANS to its members, integrating the various organizations within ANS, and simplifying the messaging of the ANS strategic plan will have long-term benefits to the Society.

For this and other contributions to ANS and the nuclear community it represents we thank John Kelly for his service.

Presidential Citation



Presented to:
Mr. Steven L. Stamm
Retired

For more than 40 years of distinguished and exemplary service to the nuclear power industry and the ANS. In particular, Steve is recognized for his engaged longevity and outstanding leadership on the ANS Standards Board including its reorganization, its Strategic Plan and Training Program developments, and modernizing the Board's governance procedures.

Presidential Citation



Presented to:
Dr. Eric P. Loewen
GE Hitachi Nuclear Energy

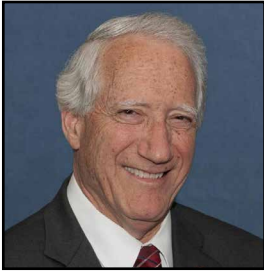
For leading the Navigating Nuclear Subject Matter Expert Team that contributed to the development of that program's curriculum by reviewing content and providing technical expertise.

Thank you to the following members who served on the team:

Todd R. Allen	Alyse S. Huffman	Leah Spradley Parks
Sunil Sunny Chirayath	Andrew C. Klein	Lon E. Paulson
Jamie Baalis Coble	Arnold Lumsdaine	Everett L. Redmond, II
Candace C. Davison	Zhegang Ma	Joel M. Risner
Mary Lou Dunzik-Gougar	Lisa M. Marshall	Piyush Sabharwall
Marek Flaska	Kallie E. Metzger	William J. Walters
Katherin L. Goluoglu	Timothy N. Moore	Jessica L. White-Horton
Michael G. Houts	Kathryn A. Mummah	Holly P. Wohlberg

AWARDS PRESENTED ELSEWHERE

Henry DeWolf Smyth Nuclear Statesman Award



Presented to:

Mr. Marvin S. Fertel
(Retired) Nuclear Energy Institute

For his outstanding and statesmanlike contributions to the major aspects of nuclear energy in the United States and around the world over the past 40 years including serving as President and Chief Executive Officer of the Nuclear Energy Institute, representing about 350 corporate members in 19 countries.

This award was presented at the Nuclear Energy Institute's Nuclear Energy Assembly in Washington, DC in June 2019.

DIVISION-ADMINISTERED AWARDS

Robert L. Long Training Excellence Award (ETWDD)



Presented to:

Dr. Richard P. Coe
Thomas Edison State University

For his demonstrated commitment to sustained excellence in nuclear training and education and on-going support of the missions of ANS, IAEA and NRC.

This award was presented at the Conference on Nuclear Training and Education (CONTE 2019) in St. Augustine, FL in February 2019.

Don Miller Nuclear Instrumentation, Control and Human-Machine Interface Technology Awards (HFICD)

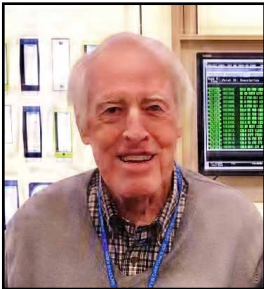


Presented to:

Prof. Poong Hyun Seong
KAIST

In recognition of outstanding achievement in the application of Instrumentation, Control and Human-Machine Interface Technologies.

Dr. Poong Seong made significant original research contributions in reliability and risk assessment of nuclear systems with focus on quantifying human factors in nuclear safety.



Presented to:

Dr. Lewis F. Hanes
Consultant

In recognition of outstanding achievement in the application of Instrumentation, Control and Human-Machine Interface Technologies.

Dr. Lewis Hanes has been a pioneer in human factors and control system design for nuclear power plants for nearly fifty years.

These awards will be presented at an HFICD function.

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



Presented to:

Dr. J. Wesley Hines
University of Tennessee, Knoxville

In recognition of outstanding mid-career contribution to Nuclear Instrumentation and Control Technologies.

For his outstanding contributions to nuclear I&C in the areas of applied artificial intelligence, surveillance and diagnostics of equipment and processes, and equipment reliability assessment.

This award will be presented at an HFICD function.

Ted Quinn Early Career Award (HFICD)



Presented to:

Dr. Vivek Agarwal
Idaho National Laboratory

In recognition of outstanding early career contributions to Nuclear Instrumentation and Control Technologies.

Dr. Agarwal is recognized for his work as a senior research scientist at INL and his service on the ANS HFICD Executive Committee.

This award will be presented at an HFICD function.

Gerald C. Pomraning Award (MCD)



Presented to:

Dr. Farzad Rahnema
Georgia Institute of Technology

For seminal contributions in the development of hybrid stochastic deterministic radiation transport methods for solving reactor core, radiation detector, and radiotherapy problems through development of consistent generalized energy condensation theory; high order boundary condition perturbation methods for spatial homogenization in transport and its diffusion approximation; and internal and external boundary perturbation methods; and for his dedication to nuclear education.

This award will be presented at the M&C Topical Meeting in Portland, Oregon in August, 2019.

Young Member's Research Achievement Award (MCD)



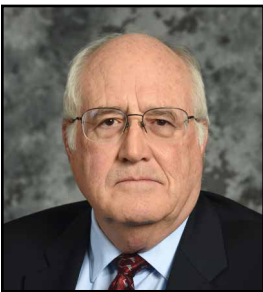
Presented to:

Dr. Ryan G. McClarren
University of Notre Dame

For his outstanding mathematical and computational contributions to the theory, simulation and application of time-dependent thermal radiation hydrodynamics in scattering and absorbing media. In particular, for his development and application of the method of spherical harmonics to time-dependent transport problems in one-and two-dimensions.

This award will be presented at the M&C Topical Meeting in Portland, Oregon in August, 2019.

Theos J. “Tommy” Thompson Award (NISD)



Presented to:

Dr. Robert W. Youngblood
Idaho National Laboratory

In recognition of four decades of research and development in reliability, risk, and safety assessment and management for the fields of nuclear and aerospace applications.

This award was presented at the International Topical Meeting on Probabilistic Safety Assessment and Analysis (PSA 2019) in Charleston, SC in April 2019.

American Nuclear Society Scholarship Award Recipients

ANS's Scholarship Program demonstrates our commitment to educating future professionals. The scholarships recognize the academic excellence of graduate and undergraduate students studying in a nuclear field for the 2019-2020 academic year. This year, ANS awarded \$135,000 in scholarships to 51 recipients, and supported 1 intern for the Washington Internships for Students of Engineering (WISE) Program. This is possible largely due to generous donations from ANS members, Professional Divisions, individuals, and the commitment of the ANS Board of Directors.

•UNDERGRADUATE CATEGORY•

ANS Incoming Freshman

Julia A. Elman - Washington-Lee High School (VA)

Jacob M. Halpern - North Penn High School (PA)

David A. Hill - Skyline High School (ID)

Anthony Sauer - Williamsville East High School (NY)

ANS Sophomore Undergraduate

Hayden S. Bland - North Carolina State University

Abby M. Davis - North Carolina State University

Jack W. Fletcher - Missouri University of Science and Technology

Thomas R. Mundy - University of Michigan, Ann Arbor

ANS Undergraduate (Junior/Senior)

Dario G. Panici - University of Illinois, Urbana-Champaign

Gemma I. Strong - University of New Mexico

Tyler J. Topham - University of Nevada, Las Vegas

James M. Zillinger - University of Idaho

Angelo F. Bisesti Memorial Scholarship

Oliver L. Landry - Three Rivers Community College

Joseph R. Dietrich Memorial Scholarship

Emily H. Kwapis - University of Michigan, Ann Arbor

Raymond DiSalvo Memorial Scholarship

John Masse - University of Wisconsin, Madison

William R. & Mila Kimel Nuclear Engineering Scholarship

Chelsea E. Moss - University of Tennessee, Knoxville

Cesar A. Pozas - University of Florida

Robert G. Lacy Memorial Scholarship

Zachary D. Lalliss - Utah State University

John R. Lamarsh Memorial Scholarship

Noah M. Higgins - North Carolina State University

Robert T. (Bob) Liner Memorial Scholarship

Erica L. Irwin - University of Tennessee, Knoxville

Hans P. Loewen Memorial Scholarship

Madison S. Ratner - University of Tennessee, Knoxville

Accelerator Applications Division Scholarship

Charles M. McSwain - University of Tennessee, Knoxville

Decommissioning and Environmental Sciences Division Undergraduate Scholarship

William A. Welch - University of California, Berkeley

ANS Joseph Naser HFIC Division Undergraduate Scholarship

Joseph D. Lorenzetti - University of Michigan, Ann Arbor

Operations and Power Division Scholarship

River P. Bennett - Arizona State University

Matthew P. Clark - Rensselaer Polytechnic Institute

Fusion Energy Division Dr. Kenneth R. Schultz Undergraduate Scholarship

Conor J. Perks - North Carolina State University

American Nuclear Society Scholarship Award Recipients

Rudy Stamm'ler Undergraduate Reactor Physics Scholarship

Jonathan Crozier - North Carolina State University

Charles (Tommy) Thomas Memorial Scholarship

Ashley A. Goluoglu - University of Tennessee, Knoxville

•GRADUATE CATEGORY•

Adam Darr - Purdue University

Michael Y. Hua - University of Michigan, Ann Arbor

Christopher T. Keckler - University of California, Berkeley

Fan Zhang - University of Tennessee, Knoxville

Everitt P. Blizard Graduate Scholarship

Robert L. Olsen - Oregon State University

Robert A. Dannels Memorial Scholarship

Kalin R. Kiesling - University of Wisconsin, Madison

Verne R. Dapp Memorial Scholarship

Thomas H. Folk - North Carolina State University

Decommissioning & Environmental Sciences Division Graduate Scholarship

Brian S. Casel - Massachusetts Institute of Technology

Ely M. Gelbard Graduate Scholarship

Colby Sorrell - North Carolina State University

Alan F. Henry/Paul A. Greebler Memorial Scholarship

Ryan Stewart - Oregon State University

Saul Levine Memorial Scholarship

Roxanne Z. Pinsky - University of Michigan, Ann Arbor

Michael J. Lineberry Graduate Scholarship

Samuel J. Cope - North Carolina State University

Nuclear Criticality Safety Pioneers Scholarship

Not awarded

Fuel Cycle & Waste Management Division John D. Randall Scholarship

Hunter B. Andrews - Virginia Commonwealth University

James F. Schumar Scholarship

Sobhan Patnaik - University of South Carolina

Robert E. Uhrig Graduate Scholarship

John P. Peterson - University of Idaho

Vogt Radiochemistry Scholarship

Not awarded

• NEED Scholarships •

John and Muriel Landis Scholarships

Anshuman Chaube - University of Illinois, Urbana-Champaign

Catalin A. Harabagiu - Purdue University

Andrei Rykhlevskii - University of Illinois, Urbana-Champaign

John C. Wagner - University of Tennessee, Knoxville

• Community College/Trade School Scholarship • Kent Hamlin Memorial Scholarship

Zachary T. Deziel - Three Rivers Community College

James F. Taylor - Lakeland Community College

• Local Section Scholarships • Pittsburgh Local Section Graduate Scholarship

Miriam A. Kreher - Massachusetts Institute of Technology

Pittsburgh Local Section Undergraduate Scholarship

Alexander S. Baikovitz - Carnegie Mellon University

Washington, DC Local Section Undergraduate Scholarship

John P. Lathrop - University of Maryland, College Park

• Washington Internships for Students of Engineering (WISE) •

Margaret Jones - Kansas State University

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 2019:

Kansas State University- Alpha Nu Sigma

Zayed Ahmed
Brenden William Feldt
Eric Allen Giunta
Luke A. Stegeman
Brendan C. Ward

Massachusetts Institute of Technology- Alpha Nu Sigma

Kieran Dolan
Ezra Engel
Zhuoran Han
Julie Logan
Warner A McGhee
Monica Pham
Robert Patrick White
Haowei Xu

Missouri University of Science and Technology - Alpha Nu Sigma

Bader Almutairi

North Carolina State University- Alpha Nu Sigma

Tyler Ross Alfonzetti
Abdullah S. Alomari
Han Bao
Jesse Blankenship
Jacob Blevins
Jonathan D. Coburn
Luke R. Cornejo
Arka Datta
Kai Eric Duemmler
Joey M. Ferrell
Thomas Folk
Xiaoyu Hu
Andy Glavin Jones
Pratik Joshi
Benjamin Kyle Laramée
Mengnan Li
Haaken Lysne
Donald McGinnis

Nathan W. Porter
Pascal Nicolas Rouxelin
Scot Treadway

Pennsylvania State University- Alpha Nu Sigma

Zineb Aly
Muhammet Ayanoglu
Christopher T. Balbier
Cailon Frank
Grant Robert Garrett
Devon Gerstein
Jocelynn Kelly
Alibek Kenges
Jordan R. Kruse
Faruk Logoglu
Nathaniel James Mackereth
Steven Miller
Miles P. O'Leary
David Reger
Zachary Rhodes
Pierre-Clement Arthur-Tanguy Simon
Misael Carlos Vera

South Carolina State University-Alpha Nu Sigma

Robert O. Gentile, II
Makeiba Lewis
Netra Patel
Joshua E. Tieken

Purdue University- Alpha Nu Sigma

Trevor Drouillard
Natalie Houghtalen
Jinpu Lin
Tyler E. Ray
Christian Sweeney
Ke Tang
Eric James Wallace
Guanyi Wang
John Weaver
Clare Elizabeth Wilsbacher

Texas A&M University- Alpha Nu Sigma

Katie M. Cook
Barbara Fisher
Carlos Graybill Justiniano
Takanori Kajihara
Cole M. Mueller
Kevin Savabi
Colby Allen Thordsen
Ivey Brooke Wilson

United States Military Academy, West Point- Alpha Nu Sigma

Jacob Bickus
Reniel Banayag Dela Cruz
Nicholas Donze
Benjamin Goehring
Jake Kahoe
Megan Kinsey
Mitchell Lowe
Maxwell Mueller
Andrew Solomonides
Maximilian Ulbert

University of Tennessee- Alpha Nu Sigma

Bradley Balltrip
Parker Forehand
Neal D. Gaffin
Nathaniel O. Huff
Irfan Rahim Ibrahim
Nischal Kafle
Darrell M. Russell
Tyler Steiner
Hayden John Sutton
Molly Shappley Underwood