



American Nuclear Society

2016

Honors & Awards Recipients

ANS Winter Meeting & Expo

November 6-10, 2016

Caesars Palace

Las Vegas, NV





American Nuclear Society

ANS Opening Plenary Session Awards

Monday, November 7, 2016

8:00 am–11:30 am

Milano Ballroom

AWARD RECIPIENTS

Presentation of Awards

Thomas Sutton

Honors and Awards Committee Chair

ANS Fellow Awards

E. Gail de Planque National Award

Mary Jane Oestmann Professional Women's Achievement Award

Young Member Excellence Award

Seaborg Medal

Standards Service Award

Eugene P. Wigner Reactor Physicist Award (RPD)

Technical Achievement Award (THD)

Plenary Session Awards

ANS Fellows



Presented to:
Dr. Jess C. Gehin
Oak Ridge National Laboratory

For outstanding and effective technical leadership in cross-disciplinary teams providing next-generation analysis capabilities for nuclear reactors and influencing decisions for advanced reactors and nuclear fuel cycle research and development.



Presented to:
Dr. Robert N. Hill
Argonne National Laboratory

Dr. Hill has a distinguished career focused on the research and development of advanced reactor technology and applications. He has provided a critical leadership role for United States fast reactor work for the last decade, with important contributions to both domestic and international programs.



Presented to:
Dr. Alan S. Icenhour
Oak Ridge National Laboratory

For his outstanding scientific and technical leadership in nuclear energy and R&D. Through his technical leadership, Dr. Icenhour has shaped the national R&D agenda for advanced reactor technology, nuclear fuel cycle, and nonproliferation, which has led to the establishment of new isotope production and nuclear security capabilities.

ANS Fellows



Presented to:
Dr. Jose N. Reyes, Jr.
NuScale Power

For his vision, innovation, and leadership in developing passive safety systems and the NuScale small modular reactor. Responsible for evolving the original MASLWR design to what is now a major international contender in the commercial small modular reactor market.



Presented to:
Dr. Akio Yamamoto
Nagoya University

For outstanding technical contributions and insightful leadership in the development of innovative reactor physics methods, computational algorithms, and analysis software for the steady-state, transient, and multi-cycle analysis of nuclear reactor cores.

E. Gail de Planque National Award



Presented to:

Bernadette L. Kirk
Oak Ridge National Laboratory

For her dedicated service and multitude of generous contributions to nuclear science and engineering, for her leadership of RSICC serving nuclear practitioners worldwide, for her outreach activities in nuclear engineering education and for her consistent and unwavering support of the goals of the American Nuclear Society, domestically and internationally.

Mary Jane Oestmann Professional Women's Achievement Award



Presented to:

Dr. Zahra Mohaghegh
University of Illinois at Urbana–Champaign

For her leadership, entrepreneurship, substantial multi-disciplinary research and scholarly contributions in the areas of deterministic and probabilistic risk assessment, and for her pioneering introduction of human and organizational factors in PRA in socio-technical systems in nuclear as well as other fields.

Young Member Excellence Award



Presented to:

Dr. Kathryn D. Huff

University of Illinois at Urbana–Champaign

For her outstanding contributions to advanced modeling and simulation, in particular in the fuel cycle analysis area, and her tireless leadership within the American Nuclear Society.

Seaborg Medal



Presented to:

Dr. George H. Miley

University of Illinois at Urbana–Champaign

For his extensive and creative contributions to nuclear science and engineering research and education including fission reactor, nuclear-pumped laser, plasma and fusion science and technology.

Standards Service Award



Presented to:

Andrew O. Smetana
Savannah River National Laboratory

In recognition of sustained, significant contributions to ANS standards for over three decades, initially through contributions and leadership of the ANS-10, Mathematics and Computations Subcommittee, and more recently serving as chairman of both the N17, Research Reactors, Reactor Physics, Radiation Shielding, and Computational Methods Consensus Committee and the Safety and Radiological Analyses Consensus Committee.

Eugene P. Wigner Reactor Physicist Award (RPD)



Presented to:

Dr. Luiz Carlos Leal
Oak Ridge National Laboratory

For leadership in the measurement, evaluation and applications-processing of neutron cross sections, Leal has performed and led measurement programs to extend and improve resonance data for many important nuclides. Leal has developed enhancements in the theory of resonance data evaluation with algorithms which include differential and integral data uncertainties and sensitivities, as well as improvements in cross section applications-processing, resulting in more precise cross sections and more powerful fissile system analyses.

Eugene P. Wigner Reactor Physicist Award (RPD)



Presented to:

Dr. Mark L. Williams
Oak Ridge National Laboratory

For innovative contributions to resonance self-shielding theory and development of continuous-energy deterministic transport calculations for lattice physics applications; for his leadership in the development and generation of cross section covariance data; and for his advancements in sensitivity/uncertainty methods, including implicit sensitivity treatment and depletion perturbation theory for coupled neutron/nuclide fields.

Technical Achievement Award (THD)



Presented to:

Dr. Nam Truc Dinh
North Carolina State University

For his research on thermal-hydraulics modeling, experimentation, and validation, that contributed to the development of effective severe accident management strategies for Generation II and III Light Water Reactor designs.



American Nuclear Society

ANS President's Special Session Awards

Monday, November 7, 2016

4:30 pm–6:30 pm

Milano Ballroom

AWARD RECIPIENTS

Presentation of Awards

Andrew C. Klein

ANS President

Mark Mills Award

Local Sections Meritorious Awards

Nuclear Historic Landmark

Student Design Competition

Special Session Awards

Mark Mills Award



Presented to:

Dr. Yinbin Miao

University of Illinois at Urbana-Champaign

For his work entitled:

Microstructure and in situ Deformation Behavior of Oxide-dispersion-strengthened Austenetic Alloys for Nuclear Applications.

Local Sections Meritorious Awards

Small Local Sections:

- Best Membership – Northeastern New York
- Best Meetings and Programs – Pittsburgh
- Best Public Information – Oak Ridge/Knoxville
- Best Section Management – Northeastern New York

Best Large Local Section:

Overall - Savannah River

Best International Section:

Overall - Japan

This award is presented to local sections that have merited recognition in the areas of membership growth, meetings and programs, public information, and local section management.

Nuclear Historic Landmark

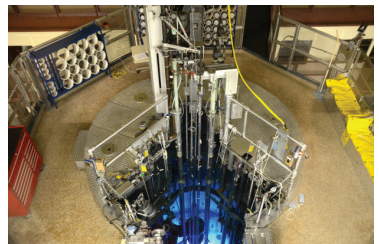
Advanced Test Reactor (ATR) Complex

The Advanced Test Reactor Complex is the site where the Materials Testing Reactor (MTR), the Engineering Test Reactor (ETR), and the Advanced Test Reactor (ATR) supported the development of nuclear power and propulsion.



University of Missouri Research Reactor (MURR)

For over 50 year of operations, advancements, and excellence in supporting national and international research, education, and service, supporting state-of-art materials sciences, nuclear engineering, medical and life sciences, archaeometry, and other peaceful uses of nuclear energy.



Student Design Competition

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

Purdue University

Helium-3 Production Via Lithium Activation In An Accelerator-Driven Reactor

P. Dressman, A. Jassem, T. Kyle, R. Nicholson, S. Sanders, D. Toneff
Advisor: Prof. Chan K. Choi

University of Wisconsin-Madison

Design Report for the Molten-Chloride High Temperature Reactor (M-CHTR)

Alex Gross, Andrew Maile, Jordan Rein
Advisor: Dr. John Murphy

Texas A&M University

VASIMR® Interfaced High Temperature GasCooled Fast Reactor for Advanced Space Applications (VARGAS)

Joe Kelsey, Andrés Morell-Pacheco, Tyler Hughes, and Nick Whitman
Advisor: Dr. Pavel Tsvetkov

The following is the finalist in the graduate category:

University of California Berkeley

Near-Term Deployment Viability of Liquid-Fuel Molten Salt Reactors

Sandra Bogetic, Andrew Greenop, Nils Haneklaus, Chris Poresky,
Dan Shen

Advisor: Dr. Massimiliano Fratoni

This competition is intended to promote excellence in the design aspect of nuclear engineering education in the universities. These teams will make their presentations to the judges on Monday, November 7, 2016 at 1:00 pm. Winners will be announced at the conclusion of the session.

Glenn T. Seaborg Congressional Science and Engineering Fellowship



The 2017 Fellowship has been awarded to:

Levi W. Patterson
General Electric Hitachi

This fellowship provides an opportunity for the successful candidate to work in a congressional office (either House or Senate) for a full year, providing advice on science and engineering matters to a member of Congress, as well as the staff. The purpose of the Fellowship is to bring a reasoned and knowledgeable view of nuclear matters to policymakers, and act as a science and engineering resource.

Utility Leadership Award (OPD)

Randall K. Edington
Arizona Public Service Company

For his role in leading Palo Verde from recovery to sustained excellent performance, his industry leadership following Fukushima, and his innovative partnerships with local educational institutions.

This award was previously presented at the ANS Utility Working Conference, August 2016

Utility Achievement Award

Plant Hatch

For improved performance in clearance and tagging which significantly contributed to a record-setting Spring 2016 outage.

This award was previously presented at the ANS Utility Working Conference, August 2016

Robert L. Long Training Excellence Award



Presented to:

Larry R. Foulke
University of Pittsburgh

For Leadership and a Continuing Sustained Commitment to Excellence in Nuclear Training and Education both in the US and Internationally.

This award will be presented at the Conference on Nuclear Training and Education, February 2017



Presented to:

Gilbert J. Brown
University of Massachusetts Lowell

For Leadership and a Continuing Sustained Commitment to Excellence in Nuclear Training and Education both in the US and Internationally.

This award will be presented at the Conference on Nuclear Training and Education, February 2017



ANS Winter Meeting & Expo

Nuclear Science + Technology

Imperatives for a Sustainable World

November 6-10, 2016

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