



ANS Winter Meeting & Expo

2017

Honors and Awards

Generations in Collaboration:
Building for Tomorrow



October 29-November 2, 2017
Washington, D.C.
Marriott Wardman Park



American Nuclear Society

ANS Opening Plenary Session Awards

Monday, October 30, 2017

8:00-11:40 am

Marriott 1, 2, 3

AWARD RECIPIENTS

Presentation Of Awards

Thomas Sutton

Honors And Awards Committee Chair

ANS Fellow Awards

Alvin M. Weinberg Medal

Mary Jane Oestmann Professional Women's Achievement Award

Landis Public Communication And Education Award

Reactor Technology Award

Young Member Excellence Award (YMG)

Standards Service Award

Eugene P. Wigner Reactor Physicist Award (RPD)

Plenary Session Awards

ANS Fellows



Presented to:

Dr. Brian N. Aviles
Naval Nuclear Laboratory

In recognition of original and significant contributions in the development, application, and qualification of advanced spatial kinetics methods and multiphysics methods to the solution of nuclear engineering problems, and the advancement of large-scale Monte Carlo analyses of nuclear reactors.



Presented to:

Dr. Guillermo Daniel Del Cul
Oak Ridge National Laboratory

For his outstanding accomplishments in actinide and fission product separations, uranium processing chemistry, and advanced fuel cycle development. Dr. Del Cul has developed new concepts to improve the nuclear fuel cycle and advance separations and waste treatment technologies. His innovations are being applied to many nuclear processes both nationally and internationally.

ANS Fellows



Presented to:

Prof. Ronald M. Gilgenbach
University of Michigan

For pioneering research on the science and technology of fusion devices and accelerators, including the first electron cyclotron heating and pre-ionization of tokamak plasma in the USA, innovative high power mm-wave/microwave source development, high-energy density z-pinch plasma generators, plasma and electron beam instability characterization and mitigation.



Presented to:

Mr. Donald R. Hoffman
EXCEL Services Corporation

Donald Hoffman has made extensive contributions in scientific and technical leadership in industry-wide programs that have been adopted by countries around the world, enhancing the safety, performance, and productivity of the U.S. and global nuclear fleets.

ANS Fellows



Presented to:

Dr. Seungjin Kim
Purdue University

Dr. Kim has made contributions toward advancing reactor thermal-hydraulic analysis methods by developing dynamic two-phase flow models, developing advanced instrumentation that expanded capability of two-phase flow experiments, educating nuclear engineers in academics, and providing services to ANS through various leadership positions in the Thermal-Hydraulic Division and in professional meetings.



Presented to:

Dr. Stephen P. Schultz, P.E.
Consultant, Advisory Committee on
Reactor Safeguards

Dr. Schultz is recognized for technical leadership in the utility industry and regulatory agencies in the development, licensing, and application of new analysis methods and regulatory approaches to assure nuclear reactor safety while improving system and fuel performance. His expertise has been shared broadly within numerous domestic and international programs.

ANS Fellows



Presented to:

Dr. Brian D. Wirth
University of Tennessee Knoxville

For seminal contributions to fundamental understanding of radiation damage in nuclear reactor materials providing the scientific basis for improved predictions of reactor performance and development of more damage tolerant materials for advanced fission and fusion power systems.

Alvin M. Weinberg Medal



Presented to:

Mr. William D. Magwood IV
OECD Nuclear Energy Agency

For his tireless advocacy and pursuit of international cooperation in promoting the peaceful applications of nuclear energy.

Mary Jane Oestmann Professional Women's Achievement Award



Presented to:

Prof. Kathryn D. Huff
University of Illinois at
Urbana-Champaign

For her tireless work to increase the adoption of modern, open source software development practices across the nuclear engineering community.

Landis Public Communication and Education Award



Presented to:

Dr. James L. Conca
UFA Ventures, Inc. and Science
Contributor to Forbes

In recognition of dedicated public outreach to share and promote scientific facts for the purpose of enabling informed decisions by citizenry regarding nuclear technology and power.

Reactor Technology Award



Presented to:

Dr. Bruce Bingman, PE
U.S. Navy

For significant contribution in the areas of computational analysis and basic nuclear cross section data.

Young Member Excellence Award (YMG)



Presented to:

Dr. Shikha Prasad
Indian Institute of Technology Kanpur

For her continuous and caring methods, leading and inspiring others, being genuine and generous, we acknowledge Dr. Shikha Prasad with this Young Member Excellence Award.

Standards Service Award



Presented to:

Dr. Abraham Weitzberg

In recognition of nearly 50 years of outstanding contributions in pioneering new reactor physics standards as a working group member and working group chair; dynamic leadership as chair of the ANS-19 Reactor Physics Subcommittee (1980–1988); and sound guidance as consensus committee vice chair of the Research Reactors, Reactor Physics, Radiation Shielding, and Computational Methods Consensus Committee (1990–2013), which subsequently became the Safety and Radiological Analyses Consensus Committee (2013–2017).

Eugene P. Wigner Reactor Physicist Award (RPD)



Presented to:

Dr. Nam Zin Cho
KAIST

For his seminal contributions to computational reactor physics and neutron transport, including the development of analytic function expansion nodal (AFEN) method, the partial current-based coarse-mesh finite difference (p-CMFD) acceleration method for deterministic and stochastic iterative calculations, and the 2D/1D “fusion” method for three-dimensional whole-core transport computation in reactor physics.



American Nuclear Society

ANS President's Special Session Awards

Monday, October 30, 2017

4:30-6:40 pm

Marriott 3

AWARD RECIPIENTS

Presidential Citation

Mark Mills Award (ETWDD)

FCWMD Lifetime Achievement Award

Rockwell Lifetime Achievement Award (RPSD)

Radiation Science and Technology Award (IRD)

Theos J. "Tommy" Thompson Award for Reactor Safety (NISD)

President's Special Session

Presidential Citation



Presented to:

Dr. Steve A. Arndt
U.S. Nuclear Regulatory Commission

For many years of unselfish dedication to the American Nuclear Society, in numerous and diverse leadership roles, making important contributions to Society success and the nuclear energy community, and influencing the development and professional careers of many current and future leaders.

Mark Mills Award (ETWDD)



Presented to:

Mr. Timothy P. Burke
University of Michigan
Ann Arbor

For his work entitled:

Kernel Density Estimation of Reaction Rates in Neutron Transport Simulations of Nuclear Reactors

FCWMD Lifetime Achievement Award



Presented to:

Dr. Ruth F. Weiner
Boston Government
Services

For outstanding contributions in research, teaching, and service across a broad range of areas related to the nuclear fuel cycle and waste management

Rockwell Lifetime Achievement Award (RPSD)



Presented to:

Dr. Kimberlee Jane Kearfott
University of Michigan

Awarded for Dr. Kearfott's dedication to the education of students through formal course work, curriculum development, research, and publishing in the field of radiation protection with a specialization in radiation dosimeters, dose assessment, shielding and operational health physics.

Radiation Science and Technology Award (IRD)



Presented to:

Prof. Lawrence W. Townsend
University of Tennessee

For leadership in developing and applying methods of radiation interaction and transport in matter for space radiation shielding and risk assessment applications.

Theos J. “Tommy” Thompson Award for Reactor Safety (NISD)



Presented to:

Mr. Bill T. Williamson
Browns Ferry Nuclear Plant

For his lifetime commitment to improving BWR plant safety; leading the nuclear industry's efforts to continually improve BWR Emergency Procedure and Severe Accident Guidance as Chairman of the BWR Owners' Group Emergency Procedures Committee.

Nuclear Historic Landmark



This Award will be presented to:
**Radiochemical Processing
Laboratory (PNNL)**

The Radiochemical Processing Laboratory at PNNL has been a crucial national asset since 1953, helping meet diverse challenges in nuclear science and technology.



This Award will be presented to:
**Radiochemical Engineering
Development Center (ORNL)**

For more than 50 years of service in the continuous recovery, separation, purification, and distribution of rare transuranium element isotopes and in the research, development, and distribution of advanced nuclear fuel cycle processes.

These awards will be presented at a later date on site.

Dwight D. Eisenhower Award (NNPD)



Presented to:

Dr. Siegfried S. Hecker
Stanford University

For his pioneering work in creating and nurturing cooperation between US and Russian laboratories that led to successful efforts in reducing the global nuclear danger.



Presented to:

Sen. Richard G. Lugar
The Lugar Center

For his leadership in promoting global security through international cooperative efforts to secure nuclear material and reduce the threat of weapons of mass destruction.



Presented to:

Sen. Samuel A. Nunn, Jr.
Nuclear Threat Initiative

For his leadership in promoting global security through international cooperative efforts to secure nuclear material and reduce the threat of weapons of mass destruction.

**These awards will be presented at the NNPD Special Panel Session on
Monday, October 30, 2017 at 1:00 pm in Washington 4.**

Student Design Competition

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

University of Wisconsin-Madison

Conceptual Design for a Molten Salt Test Reactor

Brandon Little, Calvin Parkin, Ken Zander

Advisor: Dr. John Murphy

Massachusetts Institute of Technology

RadLock: Radiation Smart Safe

Alexandra Delmore, Caroline Colbert, Jonathan Morrell, Luisa Kenausis

Advisor: Dr. Michael Short

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

University of Michigan

Two-stage Cargo Scanning using Active Interrogation

Kris Ogren, Felicia Sutanto, Valerie Nwadeyi, Adam Withers

Advisor: Dr. Sara Pozzi

Colorado School of Mines

Proliferation Resistant 1 GWe Molten Salt Nuclear Reactor (PRMSR)

Matthew Urban, Russell Jarmer, Francesca Mallett

Advisor: Dr. Jeffrey King

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, October 30, 2017 at 1:00 pm in the Hoover room. Winners will be announced at the conclusion of the session.

Glenn T. Seaborg Congressional Science and Engineering Fellowship



The 2018 fellowship has been awarded to:
Dr. Charles “Chip” R. Martin
Chief Nuclear Officer
National Security Technologies, LLC

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.

Local Sections Meritorious Awards

Small Local Sections:

- Best Membership – Washington, DC
- Best Meetings and Programs – Michigan - Ohio
- Best Public Information – Wilmington
- Best Section Management – Oak Ridge/Knoxville

Best Large Local Section:

Overall - Savannah River

These awards were previously presented

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.

Edward Teller Award (FED)



Presented to:

Prof. R. Paul Drake
University of Michigan

In recognition of his outstanding contributions to understanding of laser-plasma coupling and the original design of alternative schemes of fast ignition, both in theory and experiments.

Previously presented at IFSA2017 in September in St. Malo, France



Presented to:

Dr. Vladimir Tikhonchuk
University of Bordeaux

In recognition of seminal work in radiation hydrodynamics, hydrodynamics, and laser-plasma interactions, and for educational contributions, advancing fundamental high-energy-density physics and its applications to astrophysics.

Previously presented at IFSA2017 in September in St. Malo, France

Octave J. Du Temple Award

Presented to:

Patricia Schroeder
Standards Manager, ANS Scientific
Publications & Standards

Pat provides high level service to ANS standards committee members who rely on her wealth knowledge of ANS and ANSI policies and procedures to manage their committee responsibilities. She responds to many requests from committee chairs to support the development of standards and improves the performance of standards committees.

Pat's organizational skills and wealth of knowledge benefit the Society by her managing and maintaining a high quality standards development program that is well respected by the nuclear energy industry.

Pat is an excellent role model as a manager and leader. Her work ethic and respect for ANS employees and members is admired by others

This award was previously presented at ANS Headquarters.



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