

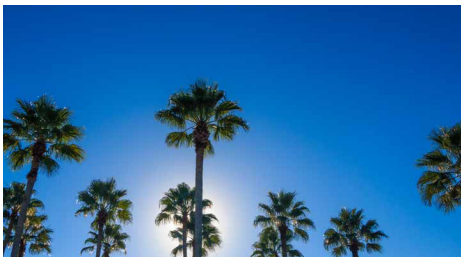


ANS Winter Meeting & Expo

2018

Honors and Awards Recipients

Joining Forces to Advance Nuclear



November 11-15, 2018
Orlando, FL
Hilton Orlando Bonnet Creek



American Nuclear Society

ANS Opening Plenary Session Awards

Monday, November 12

Opening Plenary: Joining Forces to Advance Nuclear

8:00-11:00 am

AWARD RECIPIENTS

Presentation Of Awards

Hussein S. Khalil

Honors and Awards Committee Chair

ANS Fellow Inductions

Seaborg Medal

Landis Public Communication and Education Award

Standards Service Award

Young Member Excellence Award (YMG)

W. Bennett Lewis Award (DESD)

Division Acronyms

DESD - Decommissioning & Environmental Sciences Division

ETWDD - Education, Training & Workforce Development Division

HFICD - Human Factors, Instrumentation & Controls Division

OPD - Operations & Power Division

RPD - Reactor Physics Division

Plenary Session Awards

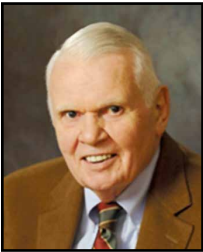
ANS Fellows



Presented to:

Dr. Todd R. Allen
University of Wisconsin - Madison

For outstanding contributions in materials science for nuclear systems and outstanding leadership in the advancement of nuclear energy through participation on the Generation IV Roadmap leadership team, and in the creation of the Nuclear Science User Facilities and the Gateway for Accelerated Innovation in Nuclear.



Presented to:

Dr. Roy A. Axford
University of Illinois,
Urbana-Champaign

For dedicating over 50 years to the pursuit of teaching excellence, for molding two generations of leaders in nuclear engineering education and research, and for aiding in responsible development and maintenance of this country's national nuclear security capabilities.

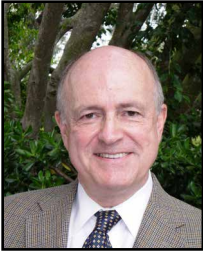


Presented to:

Mr. Emory D. Collins, PE
Oak Ridge National Laboratory

For his outstanding accomplishments in the development and implementation of improved methods for transuranium element separation and production, nuclear waste management, and advanced fuel cycle development. His innovations are being applied both nationally and internationally.

ANS Fellows



Presented to:

Mr. Karl N. Fleming
KNF Consulting Services LLC

For his groundbreaking contributions to probabilistic risk assessment (PRA) methods and applications, including the treatment of common-cause failures, the methodology for risk-informed in-service inspection of nuclear-plant piping, and the development of standards through participation in the ASME/ANS Joint Committee on Nuclear Risk Management.



Presented to:

Dr. Lin-Wen Hu
**Massachusetts Institute
of Technology**

For outstanding leadership and contributions to facility design modifications, safety analysis, and licensing. This work enabled the innovative use of high performance research reactors for irradiation testing of high-temperature fuels, materials and instrumentation and for integral testing of advanced reactor concepts.



Presented to:

Dr. Jasmina L. Vujic
University of California – Berkeley

For sustained research contributions and innovation in nuclear science and technology, including the development of reactor physics analysis methods, the development of advanced reactor and fuel cycle concepts for Generation IV systems, and applied neutron physics research on the tailoring of neutron beams for diverse applications.

Seaborg Medal



Presented to:

Prof. M.M.R. Williams
**Imperial College of Science,
Technology and Medicine**

For his outstanding contributions to nuclear reactor theory, random processes, radionuclide transport, radiation damage, aerosol dynamics, and his editorship of Annals of Nuclear Energy.

Landis Public Communication and Education Award



Presented to:

Prof. James F. Stubbins
**University of Illinois,
Urbana-Champaign**

For being a tireless proponent for nuclear technology and for devoting his professional life to instructing students, policy makers, and the public in the responsible use of this technology.

Standards Service Award



Presented to:

Dr. Robert D. Busch
University of New Mexico

In recognition of nearly 30 years of sustained contributions to the American Nuclear Society Standards Committee, particularly his leadership in the development of nuclear criticality safety standards and effective management of the Nuclear Criticality Safety Consensus Committee. This award also recognizes his efforts to incorporate ANS standards into the school curricula for students and young professionals.

Young Member Excellence Award (YMG)



Presented to:

Mr. Brett D. Rampal
Clean Air Task Force

For his tireless leadership and service to the Young Members Group.

W. Bennett Lewis Award (DESD)



Presented to:

Prof. Frank L. Parker
Vanderbilt University

In recognition of his contributions to global sustainable energy and development and the safe and efficient management of nuclear waste, through his leadership and untiring efforts during a lifelong career in teaching and research.



American Nuclear Society

ANS President's Special Session Awards

Monday, October 30, 2017

4:30-6:40 pm

Marriott 3

AWARD RECIPIENTS

Presidential Citation

Presidential Citation

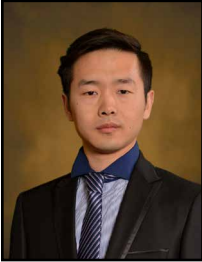


Presented to:
**French Local Section of the
American Nuclear Society
(SFANS)**

For hosting a Tour de France of nuclear facilities in the country for US faculties for over 10 years. These efforts have provided more than a hundred participants from universities in 26 different states the opportunity to participate in these trips whose fame is now widely established in academia in the United States and which constitute the “flagship” of the SFANS activities.

Awards Presented Elsewhere

Mark Mills Award (ETWDD)



Presented to:

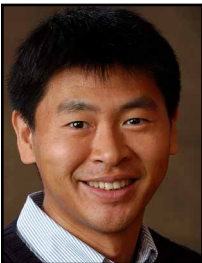
Dr. Xiang Liu
Idaho National Laboratory

For his work entitled:

“Irradiation Effects in Various Advanced Structural Alloy Systems for Nuclear Systems.”

This award was previously presented.

Radiation Science and Technology Award (IRD)



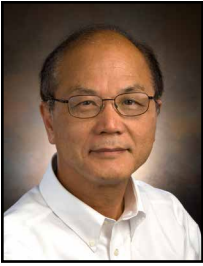
Presented to:

Prof. Ling-Jian Meng
University of Illinois,
Urbana-Champaign

For his significant contribution to the field of radiological imaging, and their applications in healthcare, radiation detection, and nondestructive assessment.

This award was previously presented.

THD Technical Achievement Award



Presented to:

Dr. Si-Young Lee
Savannah River National
Laboratory

For his distinguished technical achievements and leadership in thermal hydraulic modeling, testing, and analysis to support the government-mandated national nuclear agenda through mission-directed critical research.

This award will be presented at the THD session on Tuesday, November 13.

Rockwell Lifetime Achievement Award (RPSD)



Presented to:

Prof. Nolan E. Hertel
Georgia Institute of
Technology

Awarded for Dr. Hertel's achievements in radiation detection and shielding, computational dosimetry, neutron spectrometry and dosimetry, and radiological assessment, as well as his dedication to the education of students and his lifelong service to the Radiation and Protection Shielding Division of the ANS.

This award was presented at the 20th Topical Meeting of the Radiation Protection and Shielding Division of the American Nuclear Society in Santa Fe, NM in August 2018.

Nuclear Historic Landmark



This Award will be presented to:
**Transient Test Reactor
(TREAT) Facility**

The TREAT reactor is a dynamic and flexible test reactor that has supported experiment programs for virtually every nuclear reactor technology in use today.

This award will be presented at a later date on site.

Local Section Meritorious Awards

Presented to:

Michigan-Ohio

Best Small Section, Public Information and Education

Northeastern New York

Best Small Section, Section Management

Washington, DC

Best Small Section, Membership and Meetings & Programs

Savannah River

Best Large Section, Overall

These awards will be presented at the Local Sections Workshop on Sunday, November 11.

Student Design Competition

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

Purdue University

HYPHER: Hydrogen Production Electrolysis Reactor

Students: Anna Biela, Chris Copeland, Antony Damico , Adam Darr, Robert Kile, Corey Ohneck

Advisor: Drs. Martin Bertodano and Chan Choi

University of Tennessee

Concept Reactor for Extraterrestrial Surface Power: PULSR

Students: Dan Floyd, Patrick Tidwell, Gavin Ridley, Walt Tebbs

Advisor: Dr. Laurence F. Miller

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

University of Michigan

Multiplicity Counting of Distributed Sources for Safeguard Applications

Students: Lauren A. Finney, Stefano Marin, Christopher A. Meert, Tingshuan C. Wu, Jianxin Zhou

Advisor: Dr. Sara Pozzi

Colorado School of Mines

Design and Analysis of a Subcritical Assembly for On-Campus Nuclear Training and Education

Students: Cliff Ghiglieri, Hannah Grover, Joey Latta

Advisor: Dr. Jeffrey King

These finalist teams will make their presentations on Monday, November 12.

Glenn T. Seaborg Congressional Science and Engineering Fellowship



The 2019 fellowship has been awarded to:

Alyse M. Scurlock
Duke Energy Corporation



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