



# ANS Annual Meeting

# 2017

## Honors & Awards Recipients

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June 11-15, 2017

Hyatt Regency San Francisco

San Francisco, CA





# American Nuclear Society

## ANS Opening Plenary Session Awards

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Monday, June 12, 2017

8:00 am–11:40 am

## AWARD RECIPIENTS

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### **Presentation Of Awards:**

Andrew C. Klein, President American Nuclear Society,  
2016-2017

Thomas Sutton,

Honors And Awards Committee Chair

### **ANS Fellow Awards**

**Landis Young Member Engineering Achievement Award**

**Mishima Award**

**Arthur Holly Compton Award In Education (ETWDD)**

# ANS Fellows

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*Presented to:*

**Prof. Jacopo Buongiorno**  
**Massachusetts Institute of Technology**

In recognition for his fundamental science and engineering development accomplishments in nanofluid thermal-hydraulic behavior, surface characteristics enabling beneficial boiling heat transfer performance and conception and development of an offshore nuclear plant achieving enhanced safety and promise to reduce capital cost coupled with outstanding teaching performance.

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*Presented to:*

**Prof. Sara A. Pozzi**  
**University of Michigan**

In recognition for her sustained, outstanding contributions to the field of nuclear nonproliferation and safeguards, including the development of the MCNPX-PoliMi Monte Carlo code, new detection systems for special nuclear materials, and leadership for the Consortium for Verification Technology

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*Presented to:*

**Prof. Poong Hyun Seong**  
**KAIST**

Prof. Seong had a distinguished career in the field of nuclear instrumentation and control, human operators, and their interfaces with nuclear power systems. He had significant scientific and technical leadership in a nuclear enterprise by performing projects that could finally lead to new design of nuclear reactors in his field.

# ANS Fellows

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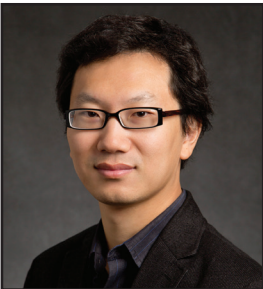


*Presented to:*  
**Dr. Richard Wood**  
**University of Tennessee**

Dr. Wood has contributed significantly to nuclear safety and regulation through research, technical evaluation, and guidance development, primarily in support of NRC. His most exceptional accomplishment involves development/revision of more than 1/3 of NRC's I&C-specific regulatory guides. Other notable achievements include safety standard development and international review mission participation.

## Landis Young Member Engineering Achievement Award

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*Presented to:*  
**Dr. Yang Zhang**  
**University of Illinois at Urbana-Champaign**

In recognition of his contributions to nuclear and advanced experimental techniques to understand the complex makeup, nature and performance of materials in the far-from-equilibrium state.

# Mishima Award

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*Presented to:*

**Prof. Gary S. Was**  
**University of Michigan**

In recognition of his world leadership in nuclear materials and radiation materials science, cutting-edge research and outstanding contributions in development work on nuclear fuel and materials.

# Arthur Holly Compton Award In Education (ETWDD)

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*Presented to:*

**Dr. John G. Gilligan**  
**North Carolina State University**

In recognition of his distinguished academic career and technical leadership of the Nuclear Energy University Program, which has significantly advanced the nation's nuclear energy programs.



# American Nuclear Society

## President's Special Session

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Monday, June 12, 2017

4:30 – 6:30 pm

### **AWARD RECIPIENTS**

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#### **Presentation Of Awards:**

Andrew C. Klein, President American Nuclear Society,  
2016-2017

Bob Coward, ANS Vice President/President Elect

#### **Presidential Citations**

**Outgoing President Appreciation**

**Leadership Award**

**W. Bennett Lewis Award (DESD)**

**FCWMD Significant Contribution Award**

# President's Special Session Awards

## Presidential Citation

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*Presented to:*  
**Mr. Joshua Freed**  
**Third Way**

For his steadfast leadership in the communication of the means and need to accelerate the private sector's adoption of clean energy and address climate change through enhancing the visibility and significance of nuclear energy to the public and to United States energy policymakers.

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*Presented to:*  
**Ms. Rachel Pritzker**  
**Pritzker Innovation Fund, Inc.**

For her steadfast leadership in the communication of the means and need to accelerate the private sector's adoption of clean energy and address climate change through enhancing the visibility and significance of nuclear energy to the public and to United States energy policymakers.

# Presidential Citation

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*Presented to:*  
**Ms. Vanice Perin**

In recognition of her pioneering efforts in initiating and organizing a grass roots effort to focus the attention of the American Nuclear Society on nuclear non-proliferation. Her passion and leadership led to the formation of the Nuclear Nonproliferation Working Group, the predecessor to the Nuclear Nonproliferation Policy Division of the American Nuclear Society.



*Presented to:*  
**Mr. John Kotek**  
**Nuclear Energy Institute**

In recognition of his dedicated leadership and stewardship of the United States Department of Energy's Office of Nuclear Energy which promoted the development of advanced reactors, accident tolerant fuels, and the expansion and management of nuclear research infrastructure across the U.S. Department of Energy's national laboratory complex.



# Presidential Citation

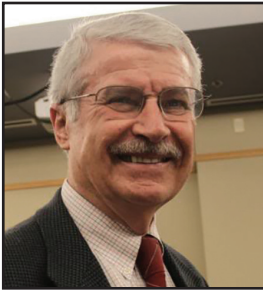
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*Presented to:*

**Dr. Nermin Uckan**  
**Oak Ridge National Laboratory**

For seventeen years of dedicated leadership and service as the Editor of Fusion Science and Technology, a peer-reviewed journal of the American Nuclear Society from 2001 through 2017.



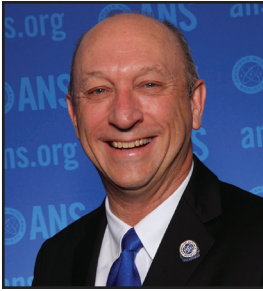
*Presented to:*

**Dr. Nicholas Tsoulfanidis**

For eighteen years of dedicated leadership and service as the Editor of Nuclear Technology, a peer-reviewed journal of the American Nuclear Society from 1997 through 2015.

# Outgoing President Appreciation

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*Presented to:*

**Andrew C. Klein**

**American Nuclear Society, President,  
2016-2017**

During his term, Andrew Klein played a highly influential role in strengthening ANS and highlighting the importance of nuclear energy in the world today and in the future. His Nuclear Grand Challenges campaign challenged the society and the nuclear community to accomplish great things that will benefit society. He traveled extensively to engage with Society members, the public and key government officials. For this and other contributions to ANS and the nuclear community it represents, we thank Andrew Klein for his service.

# Leadership Award

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*Presented to:*

**Dr. William Burchill**

**Texas A&M University**

In recognition of the outstanding leadership he has provided to ANS for many decades. His initiatives and contributions to industry and academe have placed our society in an excellent position to educate the global community on nuclear energy issues and spur worldwide acceptance of peaceful nuclear energy.

## W. Bennett Lewis Award (DESD)

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*Presented to:*

**Mr. Kazuaki Matsui**  
**The Institute of Applied Energy**

In recognition of his contributions to sustainable energy, in particular for his lifelong leadership and untiring efforts in advancing safe and environment-friendly nuclear-fission energy

## FCWMD Significant Contribution Award

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*Presented to:*

**Dr. Robert Einziger**  
**Nuclear Waste Technical Review Board**

For research instrumental in establishing the behavior of LWR Used Nuclear Fuel in Wet and Dry storage and Repository conditions, when exposed to air, water, and inert atmospheres

## Awards Presented Elsewhere

### FCWMD Lifetime Achievement Award

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*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. This award will be presented at the ANS Winter Meeting, October 2017.

### Don Miller Nuclear Instrumentation, Control and Human-Machine Interface Technology Award

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*Jointly presented to*

**Dr. Joseph Naser**  
**Technical Executive, Electric Power**  
**Research Institute**



**and Mr. Ted Quinn**  
**President, Technology Resources,**  
**ANS Past President.**

This award recognizes contributions to advancement of one or both of the fields of nuclear instrumentation and control or human-machine interface through individual or combined activities that reflect the life and contributions of Dr. Miller. This award will be presented at the NPIC&HMIT banquet on Tuesday.

# HFICD Ted Quinn Early Career Award

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*Presented to:*

**Dr. Jamie Coble**  
**University of Tennessee, Knoxville**

In recognition of her scholarly contributions to process and equipment monitoring, detection, diagnostics and prognostics, enhanced risk assessment; and her dedicated service to the ANS HFICD. This award will be presented at the NPIC&HMIT banquet on Tuesday.

# Walter H. Zinn Award

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*Presented to*

**Mr. Tom Miller**  
**Department of Energy,**  
**Office of Nuclear Energy**

In recognition of his demonstrated ongoing leadership and mentoring of future leaders and leadership in deploying nuclear energy systems over his entire career. This award will be presented at the OPD Honors & Awards Dinner on Monday.

# Early Career Reactor Physicist Award (RPD)

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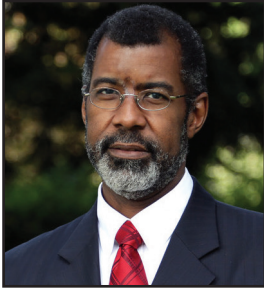
*Presented to:*

**Dr. Florent Heidet**  
**Argonne National Laboratory**

For significant contributions to and pioneering research in the field of fast reactor physics, in particular with respect to the long-life breed-and-burn fast reactor concept. This award will be presented during the RPD General I session on Monday.

# Henry DeWolf Smyth Nuclear Statesman Award

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*Presented to*  
**Mr. William D. Magwood**  
**Director General,**  
**OECD Nuclear Energy Agency**

For exemplary vision, leadership and determination in returning the U.S. to world preeminence in nuclear energy science, technology and academics. Previously presented at the Nuclear Energy Institute (NEI) Nuclear Energy Assembly, May 2017.

# Gerald C. Pomraning Award (MCD)

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*Presented to*  
**Dr. Jim E. Morel**  
**Texas A&M University**

For seminal contributions in the development of discretization and multi-level solution techniques for neutral and charged particle transport on unstructured and structured meshes with adaptive refinement; Monte Carl methods and hybrid deterministic/Monte Carlo methods; and discretization and solution techniques for the radiation-hydrodynamics equations. Previously presented at the International Conference on Mathematics and Computational Methods Applied to Nuclear Science and Engineering (M&C 2017), April 2017.

# Rockwell Lifetime Achievement Award (RPSD)

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*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.

## ANS Sections Celebrating 50 year anniversaries in 2017:

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- The Ohio State University Student Section
- The University of Massachusetts – Lowell Student Section
- The University of New Mexico Student Section
- Missouri University of Science & Technology Student Section

# American Nuclear Society Scholarship Award Recipients

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*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 2017-2018 academic year. This year, ANS awarded \$148,000 in scholarships to 58 recipients, and supported 2 interns 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.*

## **INCOMING FRESHMAN CATEGORY**

Bryce Z. Cavey - Freedom High School (PA)  
Coleman R. Curran - James L. Mann High School (SC)  
Grant Hengsteler - Arapahoe High School (CO)  
Andrew Ingram - Unity High School (IL)  
Elizabeth C. Smoak - Pinewood Preparatory School (SC)

## **UNDERGRADUATE CATEGORY Sophomore Undergraduate**

Mullin S. Green - University of Tennessee, Knoxville  
Gavin T. Gray - Utah State University  
EliseAnne C. Koskelo - Pomona College  
Cesar A. Pozas - University of Florida

## **Undergraduate (Junior/Senior)**

Kalie Knecht - University of Tennessee, Knoxville  
Evan C. Leppink - University of Michigan  
Samantha H. Michael - North Carolina State University  
Carly Romnes - University of New Mexico  
Sarah R. Stevenson - Kansas State University

## **Angelo F. Bisesti Memorial Scholarship**

Erik B. Olson - Utah State University

## **Joseph R. Dietrich Memorial Scholarship**

Anna DuBois - University of Nevada, Reno

## **Raymond DiSalvo Memorial Scholarship**

Sarah Strickler - Virginia Commonwealth University

## **William R. & Mila Kimel Nuclear Engineering Scholarship**

John J. Pashby - North Carolina State University

## **Robert G. Lacy Memorial Scholarship**

Colby K. Searle - Utah State University

## **John R. Lamarsh Memorial Scholarship**

Zachary Hardy - Texas A&M University

## **Robert T. (Bob) Liner Memorial Scholarship**

Max A. Morrow - Oregon State University

## **Hans P. Loewen Memorial Scholarship**

Catalin A. Harabagiu - Purdue University

## **Accelerator Applications Division Scholarship**

Grace Kim - United States Naval Academy

## **Decommissioning and Environmental Sciences Division Undergraduate Scholarship**

Michael Hua - University of Michigan

## **ANS Joseph Naser HFIC Division Undergraduate Scholarship**

Austin F. Saint-Vincent - University of Tennessee, Knoxville

## **Operations and Power Division Scholarship**

Kristina E. Reed - Georgia Institute of Technology

Andrew V. Volkovitskiy - University of Tennessee, Knoxville

## **Fusion Energy Division Dr. Kenneth R. Schultz Undergraduate Scholarship**

Alexander J. Rice - University of Florida

## **Rudy Stamm'ler Undergraduate Reactor Physics Scholarship**

Gavin K. Ridley - University of Tennessee, Knoxville



# American Nuclear Society Scholarship Award Recipients

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## **Charles (Tommy) Thomas Memorial Scholarship**

Michael V. Martin – University of California, Berkeley

## **GRADUATE CATEGORY**

Andrew J. Conant - Georgia Institute of Technology

Samuel J. Cope - North Carolina State University

William C. Dawn - North Carolina State University

Rachel N. Gaudet - University of Tennessee, Knoxville

## **Everitt P. Blizard Graduate Scholarship**

Kalin R. Kiesling - University of Wisconsin - Madison

## **Robert A. Dannels Memorial Scholarship**

Forrest W. Shriver- University of Florida

## **Verne R. Dapp Memorial Scholarship**

Richard M. Vega - Texas A&M University

## **Decommissioning & Environmental Sciences Division Graduate Scholarship**

Megan R. Smith - North Carolina State University

## **Alan F. Henry/Paul A. Greebler Memorial Scholarship**

Jesse P. Jones - North Carolina State University

## **Saul Levine Memorial Scholarship**

Matthew Boraas - University of Missouri, Columbia

## **Michael J. Lineberry Graduate Scholarship**

Kurt Harris - Utah State University

## **Nuclear Criticality Safety Pioneers Scholarship**

Nina C. Sorrell - North Carolina State University

## **Fuel Cycle & Waste Management Division John D. Randall Scholarship**

Kathryn A. Mummah - University of Wisconsin

## **James F. Schumar Scholarship**

Jessica L. Bishop - University of Tennessee, Knoxville

## **Robert E. Uhrig Graduate Scholarship**

Fan Zhang - University of Tennessee, Knoxville

## **Vogt Radiochemistry Scholarship**

Austin D. Mullen - University of Tennessee, Knoxville

## **NEED Scholarship Awards**

### **John and Muriel Landis Scholarships**

Catalin A. Harabagiu - Purdue University

Kurt Harris - Utah State University

Tanner Jones - University of Michigan

Andrei Rykhlevskii - University of Illinois at Urbana-Champaign

John C. Wagner - University of Tennessee-Knoxville

### **NEED Scholarship Award for Community College and Trade School**

Rebecca M. Cipriani - Three Rivers Community College

### **Community College/Trade School Scholarship Awards**

#### **Kent Hamlin Memorial Scholarship**

Antonio T. Acierno - Lakeland Community College

Heather D. Lester - Chattanooga State Technical Community College

### **Local Section Scholarship Awards**

#### **Pittsburgh Local Section Undergraduate Scholarship**

William R. Murray - North Carolina State University

#### **Pittsburgh Local Section Graduate Scholarship**

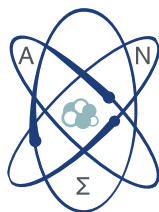
Michael B. Roth - Carnegie Mellon University

#### **Washington, DC Local Section Undergraduate Scholarship**

Christopher J. Haseler - University of Tennessee, Knoxville

# Alpha Nu Sigma National Honor Society

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*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 2017:*

## **University of Tennessee**

### **-Alpha Nu Sigma**

Taylor Hunt Adams  
Trey Augustine  
Amanda M. Bachmann  
Richard J. Bisson  
Justin B. Clarity  
Jacob Edward Cooper  
Bryn Kathleen Davies  
Dan Floyd  
Eric J. Francis  
Xiong Gao  
Rachel N. Gaudet  
Christopher Haseler  
John Michael Hirtz  
Joe D. Kelsey  
Saulomon King  
Kalie R. Knecht  
Seungsup Lee  
Caleb P. Massey  
Jason Matheny  
Dorothy J. Miller  
Jonathan Trent Mitchell  
Austin D. Mullen  
Aaron J. Pawel  
Justin Ryan Powers-Luhn  
Mark Quint  
Gavin Ridley  
David M. Sikorski  
Joshua P. Smith

Michael B. Smith  
Austin Clifford Stanford  
Ryan Christopher Unger  
Robert W. Vradenburgh  
Shawn Zamperini  
Fan Zhang

## **Pennsylvania State University**

### **-Alpha Nu Sigma**

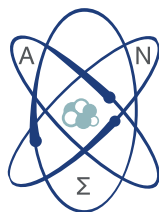
Eiren Burkhart  
Dalton J. Cristini  
Colleen Mulhollan  
Logan Semnisky

## **Purdue University-Alpha Nu Sigma**

Alexander Bullens  
Antony Q. Damico  
Adam M. Darr  
Payson Dieffenbach  
Andrew J. Fairbanks  
Sean Gonderman  
Tian Jing  
Michael V. Lauria  
Cailyn B. Ludwig  
Corey Ohneck  
Drew McLane Ryan  
Gregory P. Sinclair

# Alpha Nu Sigma National Honor Society

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## **Texas A&M University-Alpha Nu Sigma**

Clara Abdelmessih  
Mohammad Bani Ahmad  
Mohammed Anas Alwafi  
Begona Aranguren  
Christopher Bowman  
Evan S. Gonzalez  
Collin Harlan  
Coral Jones  
Grace Marcantel  
Sam Olivier  
Jackson Pybus

## **United States Military Academy, West Point-Alpha Nu Sigma**

Patrick Jacob Gallucci  
Michael Grieb  
Samantha Hartman  
Michael James  
Adam Fisher Reynolds  
Colin Sullivan  
Robert Thomas  
John Veldkamp  
Daniel Zheng

## **United States Naval Academy -Alpha Nu Sigma**

Dakota Allen  
Drew M. Brenn  
Beau James Cisneros  
Nicholas Anthony Costa  
Nhat Minh Do  
Ryan A. Gaffney  
Daniel Gilmore  
William D. Gomperts  
Joshua Hanna  
Jennifer Hedgecoth  
Brianna Kaufmann  
Carl Thomas McKay  
Berl McLaurin

Samuel Polsinelli  
Eunbi Rha  
Jordan S. Richardson  
Jackson Ricke  
Zachary Taylor Scholz  
Mark Patrick Serbent  
Zachary Skirpan  
Brian Richard Tobie

## **University of Michigan -Alpha Nu Sigma**

Nick J. Adamowicz  
Jennifer Arthur  
Brody Bassett  
Austin Carter  
Thomas Coppeans  
Zackary Glen Dodson  
Zhuoran Han  
Alek Keenan Harvis  
Abhijit Jassem  
Tyler Jordan  
Emily King  
Alexandra Rose Klein  
Juliusz A. Kruszelnicki  
Nicholas Kucinski  
Joel A. Kulesza  
Hankyeol Lee  
Evan Leppink  
Kevin Liu  
Eshed Magali  
Emily Marinan  
Kris Ogren  
Qicang Shen  
Travis Smith  
Christopher J. Swenson  
John Tretheway  
Ilham Variansyah  
Jipu Wang  
Jeff Woolstrum  
Pengyuan Xiu  
Ben C. Yee

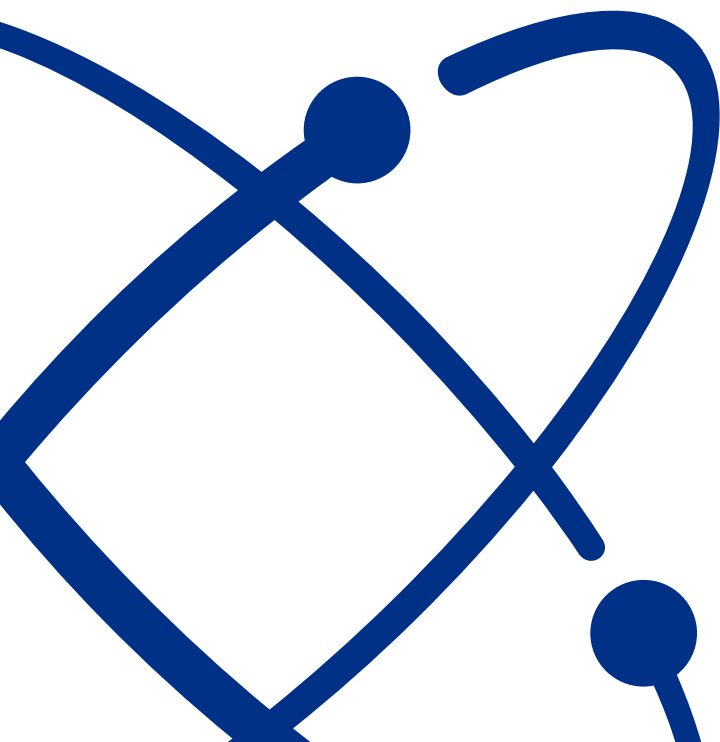


# **ANS** Annual Meeting

## **2017**

Innovating Nuclear Power

June 11-15, 2017  
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American Nuclear Society  
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