



ANS Annual Meeting

June 7-11, 2015
Grand Hyatt San Antonio
San Antonio, TX

A satellite view of Earth at night, showing the illuminated continents and oceans. The image is dark blue and black, with bright white and yellow lights representing cities and urban areas. The curvature of the Earth is visible on the left side.

Nuclear Technology: An Essential Part of the Solution

MEDIA KIT

www.ans.org

Onsite Contacts

Tracy Marc
ANS Communications Manager
Cell: 630-710-8216
Email: tmarc@ans.org

Tari Marshall
Director of Communications
Cell: 708-927-2416
Email: tmarshall@ans.org

How Nuclear Technology Will Play a Role in the Solution to Climate Change

The American Nuclear Society is at the forefront of this pivotal stage in the history of nuclear power technology, nationally and internationally. Nuclear power is a necessary part of the solution to climate change. The U.S. Environmental Protection Agency (EPA) is finalizing the Clean Power Plan and the United Nations convenes later this year to agree on a framework for reducing greenhouse gas emissions globally. New nuclear development is growing in many countries, while declining in others.

Nuclear energy is a mature technology. It is a proven low-carbon source of base-load electricity, and many countries have reaffirmed their commitment to nuclear within their own energy strategies. Compared to other clean energy sources, nuclear power is available 24/7 and costs less to produce, making it vital in the climate preservation mix.

Beginning with the Opening Plenary, the Annual Meeting will cover many topics related to the benefits of nuclear energy and how it will meet future energy demands while reducing CO₂ emissions from power sources. Technical sessions will explore cutting-edge nuclear topics including safety, cyber security, waste management, and the prospects for construction of new nuclear facilities in the U.S. and around the world.

The complete program is available online at <http://ansannual.org/program/official-program>



ANS President's Special Session

Radiation Conversations: Informing Consumers and Policy Makers Monday, June 8, 4:00-6:00 p.m.

Speakers will address radiation as a natural part of our world, the benefits of radiation, and mature knowledge about radiation. The session will provide an overview of the **Radiation Dose Communications Summit** hosted in early 2015 by ANS and the Health Physics Society addressing how to present understandable, factual information to the general public about radiation.

- Dr. Michael (Mikey) Brady Raap (*ANS President*): Summit Results and Ongoing Consortium Collaboration
- Dr. Mary Lou Dunzik-Gougar (*Acting Chair, Nuclear Engineering, Idaho State University*): Radiation as a Natural Part of Our World
- Dr. Alan Waltar (*Former ANS President*): Benefits of Radiation
- Dr. John Boice (*President, National Council on Radiation Protection & Measurement*): Mature Radiation Knowledge and the One Million Radiation Worker Study

MEETING HIGHLIGHTS

Opening Plenary

Nuclear Technology: An Essential Part of the Solution Monday, June 8, 8:00-11:30 a.m.

The world-wide demand for electrical energy continues to grow and utilities are strategically meeting this demand with a diverse energy portfolio. Nuclear-based electricity has many benefits, including cost and risk diversification. Speakers will discuss why nuclear technology is an essential part of the solution to meet present and future energy needs.

- Dr. Michael (Mikey) Brady Raap (*ANS President*), General remarks
- Doyle Beneby (*President and CEO, CPS Energy*), General remarks
- Tom Fanning (*Chairman, CEO Southern Company*), Cyber Security, Physical Security, and America's Energy Future
- David Scott (*Former Executive Director of Economics and Energy Affairs at the Executive Affairs Authority, United Arab Emirates*), Decision for Nuclear in the United Arab Emirates
- Scott Tinker (*Director, Bureau of Economics Geology, University of Texas at Austin*), Shale Gas: Bubble or Coming Boom and Possible Impact on Nuclear Energy

General Chair's Special Session

New Reactor Concepts and Licensing Tuesday, June 9, 4:00-6:00 p.m.

Industry leaders and U.S. Nuclear Regulatory Commission (NRC) management will discuss the nexus of new reactor concept development along with regulatory practices. The session will develop a better understanding of the design challenges, procedures, timelines, and licensing of new reactor technologies.

- John Parmentola (*Senior Vice President, General Atomics*), Community Support for a New Test Reactor
- Kevan Weaver (*Director of Technology Integration, TerraPower*), TerraPower and the Traveling Wave Reactor
- Gary Holahan (*Deputy Director, Office of New Reactors, U.S. Nuclear Regulatory Commission*), Advanced Non-LWR Licensing Strategies: Past, Present and Possible Future
- Jose Reyes (*Chief Technology Officer, NuScale Power*), The NuScale Diverse Energy Platform
- Michael Mayfield (*Director, Division of Advanced Reactors and Rulemaking, Office of New Reactors, U.S. Nuclear Regulatory Commission*), NRC's SMR Licensing Process – Ready to Implement

ANS Media Center

Monday, June 8
7:45 a.m.-5:00 p.m.

Tuesday, June 9
7:45 a.m.-5:00 p.m.

Wednesday, June 10
7:45 a.m.-4:00 p.m.

TOPICS OF INTEREST

Radiation

- *Radiation Conversations: Informing Consumers and Policy Makers*
Monday, June 8, 4:00-6:00 p.m.
- *Computational Tools for Radiation Protection and Shielding*
Monday, June 8, 1:00-4:00 p.m.
- *Isotopes and Radiation*
Tuesday, June 9, 1:00-4:00 p.m.
- *Innovations in Radiation Detectors: New Designs, Improvements, and Applications*
Tuesday, June 9, 1:00-4:00 p.m.
- *Best of Radiation Protection and Shielding Division*
Tuesday, June 9, 8:30-11:30 a.m.
- *Radiation Protection and Shielding*
Wednesday, June 10, 8:30-11:30 a.m.

Nuclear Safety

- *Nuclear Safety R&D at the Department of Energy*
Monday, June 8, 1:00-4:00 p.m.
- *Nuclear Installations Safety*
Tuesday, June 9, 8:30-11:30 a.m.
- *Data, Analysis, and Operations for Nuclear Criticality Safety*
Tuesday, June 9, 1:00-4:00 p.m.
- *Nexus Between Safety and Cyber Security*
Tuesday, June 9, 1:00-4:00 p.m.
- *Nuclear Nonproliferation Policy*
Tuesday, June 9, 4:00-5:15 p.m.
- *Nuclear Fission Processes and Data*
Wednesday, June 10, 1:00-4:00 p.m.
- *ANS 8 Standards*
Thursday, June 11, 8:30-11:30 a.m.

Waste Management

- *International Status of Used Fuel and HLW Management: A Review of the Lone Star A 2015 International High-Level Radioactive Waste Management Conference*
Monday, June 8, 1:00-4:00 p.m.
- *University Research in Fuel Cycles and Waste Management*
Tuesday, June 9, 8:30-11:30 a.m.
- *Waste Management for Decommissioning*
Tuesday, June 9, 8:30-11:30 a.m.
- *Recycle and Reuse of Used Nuclear Fuel Resources*
Tuesday, June 9, 4:00-5:40 p.m.
- *Fuel Cycle and Waste Management*
Wednesday, June 10, 1:00-4:00 p.m.
- *Fuel Cycle and Waste Management*
Thursday, June 11, 8:30-11:30 a.m.

Nuclear Energy

- *Focus on Communications: Endorsing Nuclear Energy*
Monday, June 8, 1:00-4:00 p.m.
- *Fusion Energy*
Tuesday, June 9, 1:00-4:00 p.m.
- *Hybrid Energy: Combining Nuclear and Other Energy Sources*
Wednesday, June 10, 8:30-11:30 a.m.

Nuclear Facility Construction

- *Small Modular Reactors (SMRs): Reactor Physics and Fuel Cycle*
Tuesday, June 9, 1:00-4:00 p.m.
- *Environmental Monitoring of Nuclear Sites: Aspect Importance and Challenges*
Tuesday, June 9, 8:30-11:30 a.m.
- *Are There Customers in the U.S. for Advanced Nuclear Reactors?*
Tuesday, June 9, 1:00-4:00 p.m.
- *New Nuclear Construction around the World, Status Report*
Tuesday, June 9, 1:00-4:00 p.m.
- *New Reactor Concepts and Licensing*
Tuesday, June 9, 4:00-6:00 p.m.



ANS President and President Elect

Please contact Tracy Marc or Tari Marshall to request interviews with knowledgeable experts in attendance at the Annual Meeting. If your topic of interest is not listed, we may have an expert available by phone.

Dr. Michaele (Mikey) Brady Raap

ANS President

Chief Engineer, Nuclear Systems Design, Engineering and Analysis Group, Pacific Northwest National Laboratory



Dr. Michaele (Mikey) Brady Raap has been an active member of the American Nuclear Society (ANS) since 1985 and she has held many ANS leadership positions. She has more than 25 years of experience in nuclear and criticality safety for plutonium processing and spent fuel systems, including the design and review of benchmark experiments, safety assessments at operating facilities, and integrating safety-in-design.

Dr. Brady Raap has had extensive involvement with international and U.S. nuclear organizations including the Organization for Economic Cooperation and Development Nuclear Energy Agency, and the Expert Group on Burnup Credit Criticality, and the American National Standards Institute/American Nuclear Society

Eugene S. Grecheck

Vice-President/ANS President Elect

(June 2014–June 2015)

Principal, Grecheck Consulting, LLC



Eugene S. Grecheck is a seasoned executive with 40 years of experience in commercial nuclear power generation, including operations, engineering, licensing, training, security and emergency planning, new plant development, and nuclear safety review.

His career spanned over 38 years with Dominion Resources and he led Dominion's new plant development activities, including cooperative agreements with the DOE on NP2010, and submittal of applications for an Early Site Permit and a Combined Operating License for the proposed North Anna Unit 3.

Among his additional credentials, he was licensed by the USNRC as a Senior Reactor Operator and was chairman of the Nuclear Energy Institute's Executive Task Force on new plants and a member of the NEI Task Force on radiation protection.

About ANS

Established in December 1954, ANS is a professional organization of engineers and scientists devoted to the peaceful applications of nuclear science and technology. The 2015 Annual Meeting celebrates the organization's 60 years of service, advocacy, and education on behalf of nuclear fields. Its more than 11,000 members come from diverse technical backgrounds covering the full range of engineering disciplines, as well as the physical and biological sciences within the nuclear field. They represent more than 1,600 corporations, educational institutions, research laboratories, and government agencies worldwide. Every day, these professionals work to advance the application of nuclear technologies to improve the lives of the world community and benefit humanity.

Media Resources

ANS Nuclear Cafe

www.ansnuclearcafe.org

ANS Nuclear Cafe serves as one of the public voices of the Society. Regularly updated with relevant topics, the blog allows ANS leadership and industry experts to share their perspectives.

The Center for Nuclear Science and Technology Information

www.nuclearconnect.org

The Center is a public outreach and education initiative created to foster interest in and increase understanding about nuclear science and technology. It makes nuclear science understandable for the general public, and provides educational resources for K-12.

Social Media

www.facebook.com/www.ans.org

www.twitter.com/ans_org, #ANSMeeting

www.linkedin.com/American Nuclear Society



555 N. Kensington Ave.
La Grange Park, IL 60526
www.ans.org