



ANS Annual Meeting 2016

MEDIA KIT

Nuclear Power: Leading the Supply of Clean, Carbon Free Energy



Nuclear technology has been controversial since its inception. Nuclear power, in particular, is one of the most widely-discussed energy topics worldwide. This conference provides media with opportunities to report about the present and future of nuclear energy as learned first-hand from some of the world's leading nuclear scientists and nuclear energy business leaders, as well as high-level government representatives.

Technical sessions will explore cutting-edge nuclear topics that include advances in fast reactor designs, used fuel, the status of prototype Generation IV reactors, and new construction around the world.

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

ANS MOBILE APP

Download the 2016 ANS Annual Meeting mobile app, your “go-to” resource for the most up-to-date information while on site! Scan the QR Code or visit your app store and search for “2016 ANS Annual” to download.



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ANS Media Center

Location: Strand 1

Monday, June 13

7:45 a.m. - 5:00 p.m.

Tuesday, June 14

7:45 a.m. - 5:00 p.m.

Wednesday, June 15

7:45 a.m. - 4:00 p.m.

June 12-16, 2016

**Hyatt Regency
New Orleans, LA**

Request for Interviews: Please contact Tracy Marc or Tari Marshall to request interviews with knowledgeable spokespeople in person or by phone.

SPEAKER HIGHLIGHTS

Monday, June 13

Opening Plenary • 8:00-11:30 am

Chris Bakken (*New Chief Nuclear Officer, Entergy Corporation*)

Sarah K. Mack MSPH, PhD, CFM (*President and CEO, Tierra Resources, New Orleans*)

President's Special Session • 4:00-6:00 pm

Dr. Kemal Pasamehmetoglu (*Associate Director, Idaho National Laboratory; Director, GAIN Gateway for Accelerated Innovation in Nuclear (GAIN) established by DOE to provide the nuclear community with access to the technical, regulatory, and financial support necessary to move innovative nuclear energy technologies.*)

Dr. John W. Herczeg (*Deputy Assistant Secretary for Fuel Cycle Technologies with the Department of Energy's Office of Nuclear Energy*)

Jeffrey Merrifield (*Partner, Pillsbury Winthrop Shaw Pittman and NRC Commissioner ('98-'07); Chair, Nuclear Infrastructure Council Advanced Reactor Task Force*)

Tuesday, June 14

Technical Chair's Special Session • 8:00-10:00 am

Dr. Everett L. Redmond II (*Senior Director of Fuel Cycle and Technology Policy, Nuclear Energy Institute*) Dr. Redmond is responsible for NEI advanced reactor technology program and for coordinating industry policy and programs related to current and advanced fuel cycles.

General Chairs Session • 4:00-6:00 pm

Anthony Pietrangelo (*Senior Vice President and CNO – Nuclear Energy Institute*) He is responsible for executive oversight of new plant deployment, current plant operations and fuel cycle activities.



MEETING HIGHLIGHTS

Nuclear Power: Leading the Supply of Clean, Carbon Free Energy • Opening Plenary

Monday, June 13 • 8:00-11:30 am

Location: Empire AB

Our existing nuclear fleet safely, reliably, and economically contributes almost 20% of electrical generation in the U.S., and remains the single largest contributor of non-greenhouse-gas-emitting power. Invited speakers will discuss the opportunities and challenges ahead to maintain nuclear's leadership role for the benefit of the nation's energy, economy, and environment.

Speakers

- Eugene S. Grecheck (*President, American Nuclear Society*)
- Chris Bakken (*Chief Nuclear Officer, Entergy Corporation*)
- Sarah K. Mack, MSPH, PhD, CFM (*President and CEO, Tierra Resources*)

Beyond the Hype: What's Next for Advanced Reactors? • President's Special Session

Monday, June 13 • 4:00-6:00 pm

Location: Empire A

Nearly 50 North American companies are engaged in some form of advanced reactor R&D. There is strong bipartisan support for federal legislation in the House and Senate, as well as significant interest from the venture capital community.

This session will explore the major policy decisions confronting Congress, the Administration, utilities, and the OEM/supplier community.

Speakers

- Dr. Kemal Pasamehmetoglu (*Associate Director, Idaho National Laboratory; Director, Gateway to Advances in Nuclear - GAIN*)
- Andrew Sowder (*Principal Technical Leader, Electric Power Research Institute*)
- John W. Herczeg (*Deputy Assistant Secretary, Department of Energy's Office of Nuclear Energy*)
- Jeffrey Merrifield (*Partner, Pillsbury Winthrop Shaw Pittman; NRC Commissioner '98-'07; Chair, Nuclear Infrastructure Council Advanced Reactor Task Force*)
- Ben Reinke (*ANS Congressional Fellow, Senate Energy & Natural Resources Committee*)

Improving the Competitiveness of the Existing U.S. Commercial Nuclear Fleet - Sustaining a National Asset · General Chair's Special Session

Tuesday, June 14 · 4:00-6:00 pm

Location: Empire A

Panelists

- William Mohl (*President – Entergy Wholesale Commodities*)
- William Webster (*Executive Vice President, Industry Strategy – Institute of Nuclear Power Operations*)
- Dr. Peter B. Lyons (*Former U.S. Department of Energy Assistant Secretary for Nuclear Energy, Former NRC Commissioner*)
- Anthony Pietrangelo (*Senior Vice President and CNO – Nuclear Energy Institute*)

Developing a Policy for Used Nuclear Fuel that will Encourage an Expansion of Nuclear Energy as a Leading Supply of Clean Carbon Free Energy ·

Technical Program Chair's Special Session

Tuesday, June 14 · 8:00-10:00 am

Location: Empire A

Public perception is becoming increasingly favorable toward an expanded role for nuclear energy as a large and economical source of clean energy. The public has concerns about nuclear waste and the government hasn't resolved how to manage and store used nuclear fuel at reactor sites. This panel will explore alternatives for managing used nuclear fuel.

Speakers

- Andrew R. Griffith (*Associate Deputy Assistant Secretary for Fuel Cycle Technologies*)
- Dr. Michael V. McMahon (*Senior Vice-President, AREVA*)
- Dr. William E. Burchill (*Retired Department Head of Nuclear Engineering, Texas A&M University; ANS Past President*)
- Dr. Everett L. Redmond II (*Senior Director of Fuel Cycle and Technology Policy, Nuclear Energy Institute*)
- Donald R. Hoffman (*President and CEO, EXCEL Services Corporation; ANS Past President*)
- Moderator: Dr. Alan Icenhour (*Associate Laboratory Director, Oak Ridge National Laboratory*)



ANS Special Committee on Nuclear in the States · Special Session

Wednesday, June 15 · 4:00-6:00 pm

Location: Bolden 5

When the Environmental Protection Agency (EPA) issued the final Clean Power Plan (CPP) in August 2015, governors were challenged to create their own energy strategies to comply with clean-air goals and reduce carbon-dioxide emissions in their states.

The American Nuclear Society (ANS) formed the Special Committee on Nuclear in the States in the fall of 2015 to engage its membership in state-by-state efforts to maintain the current nuclear fleet, support new nuclear builds, and provide a consistent and standard approach for states in valuing nuclear energy as an asset.

Given each state's unique energy situation, the Special Committee on Nuclear in the States created a comprehensive guide of all policy options for the states to reference as they create their energy plans. [The Nuclear in the States Toolkit](#) launched in February 2016. An updated version with supplemental policy information will be presented at this session.

NUCLEAR TOPICS IN THE NEWS

New Construction Around the World

Monday, June 13 · 1:00 pm

Economics and Cost Analysis of Spent Fuel Cycle

Monday, June 13 · 1:00 pm

Progress Status of Prototype Generation-IV Sodium-Cooled Fast Reactor

Tuesday, June 14 · 8:00-11:30 am

Consolidated Storage of Commercial Used Fuel

Tuesday, June 14 · 1:00-4:00 pm

Advanced Generation IV Reactors

Tuesday, June 14 · 1:00-4:00 pm

Hybrid Energy Systems—Panel

Wednesday, June 15 · 8:00-11:30 am

Recycle and Reuse of Used Nuclear Fuel Resources

Wednesday, June 15 · 1:00-4:00 pm

BACKGROUND

Nuclear power is at a fork in the road and stands to have a crucial role in the future development of clean energy. While four new U.S. nuclear plants are past the midpoint in their construction, some nuclear plants are being shut down, or are at risk of being shut down, due to economic challenges caused by energy market pricing that favors other forms of energy.

Tennessee Valley Authority's Watts Bar Unit 2 Unit prepares to begin operation this summer, yet other plants are fighting economic challenges caused by unbalanced energy market pricing. Small modular and advanced reactors are being developed as a more affordable way to produce nuclear power with shorter construction times, and simplified designs that make them ideal to replace for fossil fuel plants. However, the current licensing process exists for large reactors, thus stalling the benefits these new reactors have to offer.

The federal government is actively supporting nuclear energy development.

- The White House hosted the Nuclear Energy Summit in November 2015.
- The DOE organized the Summit on Improving the Economics of America's Nuclear Power Plants.
- The DOE has also established the Gateway for Accelerated Innovation in Nuclear (GAIN) initiative to help support the nuclear industry with technical, regulatory and financial resources to move nuclear technologies forward. **The director of the GAIN program is speaking at the President's Special Session on Monday.**

ABOUT ANS

American Nuclear Society

Established in December 1954, ANS is a professional organization of engineers and scientists devoted to the peaceful applications of nuclear science and technology. Its more than 10,000 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. www.ans.org

The Center for Nuclear Science and Technology Information

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.

www.nuclearconnect.org

Eugene S. Grecheck

ANS President 2014-2015

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 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.

Andy Klein

ANS Vice President/President-Elect
2015-2016

*Professor in the School of
Nuclear Science and Engineering
at Oregon State University*



Dr. Klein was on loan from Oregon State University to the Idaho National Laboratory (INL) as Director of Educational Partnerships and served as a member of the Leadership-Management Team at INL from March 2005 to September 2009. During that time, he also held an appointment as a visiting professor at Massachusetts Institute of Technology (MIT).

Dr. Klein's research areas include nuclear energy policy, nuclear energy systems design and analysis, radiation shielding, nuclear nonproliferation, safeguards and security, and space and fusion energy systems. He currently is a member of the National Nuclear Accrediting Board for the Institute for Nuclear Power Operations and the Board of Directors for the Foundation for Nuclear Studies.

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