



NITSL Newsletter

Our goal is to keep members informed and involved. Please check out the “NITSL Snippets” section at the bottom of the newsletter for links to additional information. Feel free to provide feedback or comments at any time.

Chairman's Update



I hope everyone's year is off to a great start. It's hard to believe it has already been 6 months since the 2019 NITSL Conference was held in Birmingham. Since that time the NITSL Sub-Committees have been very busy working on initiatives and developing interesting topics for the 2020 Conference. We have had good participation on the sub-committees but there is always room for more. If you are interested in joining one of the sub-committees, please reach out to the chair or co-chair for that committee. They would be happy to include you in meetings.

Planning for the 2020 conference in Baltimore is going very well. We have excellent support from each of the sub-committees providing speakers and a wide variety of topics for both the general session and break-out sessions. While some topics are 'special and unique' to the nuclear industry there are others that are of a more general nature. In the coming weeks more information on both the topics and the conference in general will be posted on the NITSL website. In addition, registration will be opening next month. I hope as many of you as possible will make plans to attend and participate in the sharing of information.

Key Dates to know for the 2020 NITSL Conference

- Subcommittees need to provide the presentation topics and descriptions by January 17th, 2020. (4 – 8 topics/descriptions per subcommittee)
- Planning for registration to start by March 1st, 2020.
- Presenter Bios and Pics are needed by April 15th, 2020
- Planning to have the Mobile App available for download by May 1st, 2020.
- Final presentations are due by June 15th, 2020.
- **Conference date is July 13th – July 16th, 2020.**

Infrastructure & Applications Update



The NITSL I&A sub-committee has selected the following presentation topics for the conference:

- Advanced Analytics (Artificial Intelligence & Machine Learning)

- Augmented Reality
- Dynamic Adaptive Procedures
- 3D Printing
- Business Modernization
- Robotic Process Automation (RPA)

Cyber Security Update



The Cyber Security sub-committee has selected the following presentation topics for the conference:

- Cyber Security Program Performance Metrics
- EPRI TAM Evaluation Incorporation into existing NRC Requirements for Cyber Security Program
- Vulnerability Management Standards & Best Practices
- EPRI Cyber Security Presentation
- MS8 Industry Panel – Inspection OE
- NRC Panel Discussion on MS8 Inspection Completion & Future Inspections

Additional updates on the Tiger Team initiatives:

Following the NRC 10-Year Anniversary Assessment of 10 CFR 73.54, the Cyber Security Rule, an NEI Cyber Security Task Force Tiger Team was established to pursue improvements in scope and controls applied to the Cyber Security Plan. Submissions for these initiatives are underway and endorsements are expected through the first half of 2020. Both NEI 10-04 and NEI 13-10 are being revised to reflect the revised CDA scoping and alternate controls that will allow for reduced CDA scoping and cyber security controls. Scheduling of Implementation workshops is being pursued. The specific initiatives include the following topics:

- EP Related Scope
- BOP Related Scope
- Safety Related and Important to Safety Scope
- Security Support Equipment Scope
- Security Controls Reduction
- Cyber Security Program Performance Review / Inspections

A NITSL CSSC survey, [NRC Endorsed Initiatives Implementation Schedule](#), was sent out on January 8 to receive feedback on how licensees will apply the new endorsements when they become available and what kind of training will be needed to help implement the new guidance. Only a handful of NITSL members have responded to the survey so far. If you have not had the opportunity to respond, please do so at this time so that the Tiger Team has an opportunity to provide support. <https://www.surveymonkey.com/r/ZT8SYWG>

Contacts are:

Dave Feitl: david.feitl@xenuclear.com

Dewey Coulon: dcoulon@entergy.com

Digital Controls Update



The Digital Controls sub-committee has selected the following presentation topics for the conference:

- Nuclear Segmented Network for IoT Devices
- Virtualization and Emulation of Plant Hardware
- Improving Real-Time Data Acquisition & Monitoring

Software Quality Assurance Update



The Software Quality Assurance sub-committee has selected the following presentation topics for the conference:

- SQA for Decommissioning Sites
- SQA for Retiring Applications
- SQA Compliance
- Software Owner – Role and Responsibility
- COTS Workshop

US committee hears plea for Green Nuclear Deal

Environmental advocate Michael Shellenberger has called for the US administration to support the nation's nuclear energy industry in what he calls a Green Nuclear Deal. Speaking to the US House of Representatives Committee on Science, Space, and Technology last week, Shellenberger said people need not be passive victims of climate change and there is much that could be done to reduce the impacts of "climate-driven extremes". Read more [here](#).

Our 5 Most-Read Nuclear Energy Stories of 2019

Ten years from now, what will we remember about 2019? In a year that saw tragic natural disasters and worldwide climate strikes, 2019 also brought us the first ever image of a black hole and Baby Yoda—the biggest, and perhaps least expected, internet sensation of the year.

It was a big year for nuclear energy as well, from significant bipartisan support for nuclear innovation, to state policy actions, to Congress funding nuclear energy programs at historic levels. Before 2020 gets old enough for us to forget our New Year's resolutions, let's take a look at the top stories you read and shared the most in 2019:

- A Viewer's Guide to HBO's Chernobyl Miniseries
- Why We Should Listen to Bill Gates on Nuclear Energy
- Why My First Trip to a Nuclear Plant Was So Memorable
- Nuclear 101: An Introduction to Nuclear Energy for the New Congress
- Andrew Yang Loves Thorium Nuclear Reactors, But What Are They?

For additional details inside of each of these stories please click [here](#).

Policymakers and Energy Companies Plan to Reduce Carbon and Know They'll Need Nuclear

The leaders of the House Energy and Commerce Committee released an overview of the Climate Leadership and Environmental Action for our Nation's (CLEAN) Future Act, a forthcoming bill to put the United States on a path to reduce carbon emissions.

At the heart of the bill is a requirement for electricity providers to increase the portion of their power that comes from clean sources, including nuclear energy, and to reach 100 percent clean by 2050. The bill builds upon the commitments that states and companies have been making to significantly reduce carbon emissions.

Prior to 2017, 28 states enacted some form of legally binding requirement to deploy clean electricity. A typical state target would require 20 percent of the state's electricity to come from clean sources. Only two of those 28 states adopted technology-inclusive policies that would allow carbon-free nuclear energy to meet the goal. Read more [here](#).

Trucking Company Rolls Technology Into Safety Culture

Sentinel Transportation LLC, a Delaware-based company that hauls crude oil and petroleum products across America, is a model of why advanced driver assistance systems make sense in the commercial fleet industry.

The Sentinel fleet has been using new vehicle safety technologies for more than a decade. Today, the company gathers data from radar, video and braking sensors to create a detailed picture of what is going on inside and outside its trucks.

Forward-facing and rear-facing in-cab cameras, along with a robust coaching and follow-up process, have changed driver behaviors, reduced crashes and ultimately lowered costs. Fatigue management, including ongoing training and sleep-apnea testing, when appropriate, are part of Sentinel's health and wellness program.

"We go multiple years without a preventable DOT crash," Sentinel President and CEO Adam Gregori said. "And that's with running 30 million miles a year." Read more [here](#).

NITSL Snippets

- Need to know who to contact? Visit the [NITSL website](#) and a list of the current Executive Committee members and Standing Committee chairs/co-chairs.

Visit us at www.nitsl.org. Comments, questions or story ideas are always welcome.