

# Gateway for Accelerated Innovation in Nuclear June 2018 Highlights Report

## Digital Environment for Advanced Reactors Workshop



The **Digital Environment for Advanced Reactors Workshop** was held in Chicago, Illinois, at Argonne National Laboratory, on June 5-6, 2018. This was a GAIN, NEI, EPRI sponsored effort to gather input from stakeholders related to advanced sensors, monitoring, control, and human automation interaction technologies needed to support the deployment of advanced reactors. Approximately 60 attendees, representing DOE, national

laboratories, nuclear industry, and NRC, met to discuss the needs and issues around digital systems. Information obtained from the workshop will be used to identify gaps between existing and needed capabilities and establish funding priorities for DOE.

## Nuclear Advocacy and Communications Training

On June 14, 2018, GAIN planned and delivered the first sponsored **Nuclear Advocacy and Communications Training** to INL and the local community. Generation Atomic, along with Mothers for Nuclear and Students for Nuclear, provided a comprehensive day of nuclear advocacy and communication training that energized participants to advocate for nuclear and be well equipped with the tools to do so. Two identical sessions provided the perfect forum to host over 140 attendees representing INL, DOE-ID, universities, Chamber of Commerce, nuclear industry, utilities, local/state/federal government, and regional businesses.



A follow-on activity was provided for interns and others interested in the historical implications of EBR-I and how we communicate and think about Nuclear today. Starting at 6:00 p.m. on June 14, 2018, **“EBR-I after Hours”** combined a 1950’s themed party with various nuclear related activities and culminated with the filming of a music video. Three “opera” worthy songs were performed by Eric Meyer, Generation Atomic. See pictures of the event at the EBR-1 Experimental Breeder Reactor I Facebook page.

For additional information, read the article from the Idaho Falls Post Register newspaper at <http://www.postregister.com/articles/featured-news-daily-email/2018/06/19/nuke-power-advocate-films-music-video-ebr-1>.

CHECK OUT OPERA SINGER ERIC MEYER'S YOUTUBE VIDEO "SINGING FOR NUCLEAR"

## EBR-1 AFTER HOURS

Thursday, June 14  
Meet at INL Meeting Center  
775 University Blvd.  
Idaho Falls, ID  
4:45 p.m.

Travel back in time to December 20, 1951, and role-play as a member of the team that first demonstrated nuclear power. Participants will get an opportunity to hone their advocacy skills while learning about lab history.

In addition:

- Participants will be an extra in a music video being filmed at INL's Experimental Breeder Reactor-1 (EBR-1).
- Come dressed in 1950s themed attire, including lab clothing. Prizes will be awarded for Best Dressed Female and Male.
- Heavy hors d'oeuvres will be served.
- An INL bus will depart from the INL Meeting Center at 4:45 p.m., and will return from EBR-1 at approximately 9:00 p.m.

Space is limited. Interested participants can register by sending an email to [inlevents@inl.gov](mailto:inlevents@inl.gov).

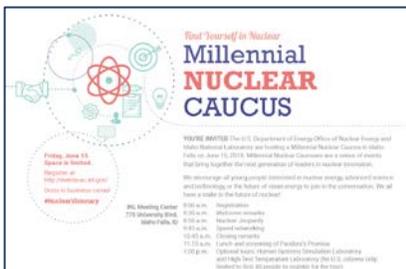
@GAINnuclear  
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gain.in.gov  
#EBR1AfterHours




### Millennial Nuclear Caucus

In conjunction with the GAIN sponsored Nuclear Advocacy Training and EBR-1 events, Idaho National Laboratory (INL) hosted the 9<sup>th</sup> Millennial Nuclear Caucus (MNC) on June 15, with the theme, "Find Yourself in Nuclear." The majority of participants were interns and researchers from the INL, but people from across the community were invited to attend. Millennials are people roughly between 18 and 35 years of age and represent a new mindset, said Suzanne Jaworowski, senior adviser for policy and communications in the U.S. Department of Energy's Office of Nuclear Energy and MNC advocate.

The caucus in Idaho Falls started with welcoming remarks from DOE-Idaho Manager Rick Provencher and INL Director Mark Peters. A very creative game of "Nuclear Jeopardy!" was next, played by two five-person teams. Categories included "Nuclear in Government," "Nuclear in History," "Nuclear in Science," and "Energy & Environment." The next activity, "Speed Networking," involved 20 mentors with a wide range of backgrounds and careers, circulating through the room, going from table to table to visit participants and discuss how they "found themselves in nuclear." For more information, visit <https://www.inl.gov/article/millennial-nuclear-caucus/>.



**Find Yourself in Nuclear**  
**Millennial NUCLEAR CAUCUS**

**Friday, June 15**  
**Open to Everyone**  
Register at: [inlevents.inl.gov](http://inlevents.inl.gov)  
Check in to the caucus at: [inlevents.inl.gov](http://inlevents.inl.gov)

**INL Meeting Center**  
775 University Blvd.  
Idaho Falls, ID

**9:00 a.m.** Registration  
**9:30 a.m.** Welcome remarks  
**10:00 a.m.** Nuclear Jeopardy!  
**10:30 a.m.** Speed networking  
**11:00 a.m.** Lunch and networking of Faculty's Phoenix  
**1:00 p.m.** Optional topic: Nuclear Advocacy Training and High Level Transportation Laboratory (HTL) website only. Opened to those who are invited to the event.



### ***Industry Access to Technical Reports Formerly Designated as Applied Technology (AT)***

To support the nuclear industry's interest in access to legacy information and data from past DOE programs, the Office of Scientific and Technical Information (OSTI) provided GAIN with a listing (spreadsheet) of reports that were formerly designated Applied Technology and thus not publicly available. This listing includes authors, titles, abstracts, and other bibliographic information for nearly 12,000 reports published by national labs and other DOE contractors between 1974 and 2015. This listing of reports cannot yet be openly posted on the GAIN website because the abstracts have not been cleared with respect to potential export controlled information (ECI).

DOE-NE will employ a contractor to review and clear the entire spreadsheet (specifically the 12,000 abstracts) with respect to ECI, so that they can be shared with U.S. companies in an unrestricted manner. In the meantime, a search capability for creating smaller, more manageable subsets of the entire database that pertain to specific topics has been developed and tested. These initial topics should be of interest to industry (e.g., metallic-alloy or TRISO fuel, passive safety design, accident source terms, sodium technology, etc.). Additional topics can be developed based on specific requests. These smaller listings/databases would make it much easier for companies to prioritize which of the full reports should be cleared for open publication, or shared with them under NDAs.

Once the abstracts have been cleared for open dissemination, the listing of reports (both the full list and smaller lists on specific topics) will be posted to the GAIN website.

### ***Outreach***

June 3-6, 2018: Rita Baranwal presented an invited talk on GAIN and INL capabilities at the 2018 Western Conference of Public Service Commissioners in Boise, ID.

June 13, 2018: Rita Baranwal represented GAIN in the NEI HALEU Taskforce kickoff meeting in Washington DC.

June 18, 2018: Rita Baranwal presented on Advanced Reactors at an invited talk at the President's Special Session during the June 2018 ANS Meeting in Philadelphia, PA.

June 26-27, 2018: Rita Baranwal gave invited talks on GAIN and Advanced Reactors at two Capitol Hill events; one sponsored by DOE and the other by ITIF (Information Technology and Innovation Foundation), focusing on New Ideas for Strengthening Partnerships at DOE National Labs. The audiences consisted mostly of congressional staffers.

### GAIN Look Ahead

<i>FY 2018 Date(s)</i>	<i>Title</i>	<i>Location</i>	<i>GAIN's Role</i>
<b>July 17:</b>	MEV School, "Advanced Reactor Systems and Novel Advances in Multi-Physic Modeling and Simulation"	ANL, Chicago, IL	Present, Attend
<b>July 25-26:</b>	Technologies to Reactors Workshop	ORNL, Oak Ridge, TN	Present, Attend
<b>July 30- August 10:</b>	Nuclear Innovation Bootcamp	University of California, Berkeley, CA	
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<b>August 5-8:</b>	2018 Utility Working Conference & Vendor Technology Expo	Amelia Island, FL	Booth, Attend
<b>September 6:</b>	NEI ARWG	NEI Office, Washington DC	Attend
<b>September 30: October 5:</b>	Pacific Basin Nuclear Conference, Organized by CNL/INL/M. Peters Chair	Hyatt Regency, San Francisco, CA	Organize, Chair, Present, Booth
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<b>October 2-4:</b>	MSR Workshop	ORNL, Oak Ridge, TN	Organize,
<b>October 10:</b>	NSUF Industry Meeting	EPRI, Charlotte, NC	Organize, Present, Attend
<b>November 11-15:</b>	ANS Winter Meeting	Hilton Orlando Bonnet Creek, Orlando, FL	Present, Booth, Attend
<b>December 11:</b>	NEI ARWG	NEI Offices, Washington DC	Attend

For questions or additional information, please contact Lori Braase, GAIN, [lori.braase@inl.gov](mailto:lori.braase@inl.gov).

