

## **U.S. Department of Energy Further Advanced Nuclear Energy Technology through Awards of \$10.6 Million**

*May 23, 2019*

WASHINGTON, D.C. – The U.S. Department of Energy (DOE) today announced funding selectees for multiple domestic advanced nuclear technology projects. Three projects in three states will receive varying amounts for a total of approximately \$11 million in funding. The projects are cost-shared and will allow industry-led teams, including participants from federal agencies, public and private laboratories, institutions of higher education, and other domestic entities, to advance the state of U.S. commercial nuclear capability.

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## **Awards recognition: Baranwal, Liaw receive Asian American Engineer of the Year Award**

*April 4, 2019*

*From Marianne Walck, Science & Technology deputy laboratory director:*



I am pleased to announce that Dr. Rita Baranwal and Dr. Boryann Liaw have been honored with the Asian American Engineer of the Year (AAEOY) Award for 2019. They are the third and fourth INL recipients of the AAEOY award in the past two years.

Rita is the director for DOE's Gateway for Accelerated Innovation in Nuclear (GAIN) initiative and has more than 20 years of experience in the nuclear energy industry. She is also awaiting Senate confirmation to serve as DOE's assistant secretary of Nuclear Energy.

For the past three decades, Boryann has been involved in R&D projects related to electric and hybrid vehicle evaluation and advanced battery diagnostics and prognostics. Boryann has co-authored more than 150 technical papers, eight book chapters, and 10 patents and patent applications. He is a Fellow of the Electrochemical Society.

The AAEOY Awards recognize outstanding Asian American professionals in science and engineering for technical achievements, leadership and public service. The AAEOY was first introduced in 2002 as part of DiscoverE, previously known as National Engineers Week. All 2019 awardees will be formally recognized at a ceremony in Dallas, Texas, in August. Please join us in congratulating Rita and Boryann on this well-deserved recognition.

## GAIN Announces Second Round FY-2019 Nuclear Energy Voucher Recipients

April 4, 2019

The Gateway for Accelerated Innovation in Nuclear (GAIN) announced today that three nuclear companies will be provided GAIN Nuclear Energy (NE) Vouchers to accelerate the innovation and application of advanced nuclear technologies. NE vouchers provide advanced nuclear technology innovators with access to the extensive nuclear research capabilities and expertise available across the U.S. Department of Energy (DOE) national laboratory complex. This is the second set of awards in FY 2019.

The GAIN NE Voucher Program accepts applications on innovation that supports production and utilization of nuclear energy (e.g., for generation of electricity, supply of process heat, etc.) in the following general topic areas:

- Analysis and evaluation of, and for, advanced reactor concepts and associated designs, including development of licensing information or strategies
- Structural material and component development, testing and qualification
- Advanced nuclear fuel development, fabrication and testing (includes fuel materials and cladding)
- Development, testing, and qualification of instrumentation, controls, and sensor technologies that are hardened for harsh environments and secured against cyber intrusion
- Modeling and simulation, high-performance computing, codes and methods
- Technical assistance from subject matter experts and/or data/information to support technology development and/or confirm key technical or licensing issues

The businesses selected to receive GAIN nuclear energy vouchers for Round 2 FY 2019 are:

GAIN 2019 2nd Round NE Voucher Recipient	Awarded Proposal	Partner Facility
<b>Flibe Energy, Inc.</b> Madison, AL	Liquid Fluoride Thorium Reactor (LFTR) Preliminary Safeguards Assessment	Oak Ridge National Laboratory
<b>Framatome Inc.</b> Lynchburg, VA	Advanced Metallic U-Zr Fuel for LWR Applications – FMEA and PIRT Development	Idaho National Laboratory
<b>Kairos Power</b> Alameda, CA	Develop ASME Section III Division 5 Design Rules for Elevated Temperature Cladded Class A Type 316 Stainless Steel Components	Argonne National Laboratory

GAIN NE voucher recipients do not receive direct financial awards. The GAIN nuclear energy vouchers provide access to national laboratory capabilities at no cost to the voucher recipients. All awardees are responsible for a minimum 20 percent cost share, which could be an in-kind contribution. Further information on the GAIN nuclear energy voucher program as well as current and all past awards may be found [here](#).

The U.S. Department of Energy Office of Nuclear Energy (DOE-NE) established GAIN to provide the nuclear community with the technical, regulatory and financial support necessary to move innovative nuclear energy technologies toward commercialization while ensuring the continued safe, reliable and economic operation of the existing nuclear fleet. Through GAIN, DOE is making its state-of-the-art and continuously improving RD&D infrastructure available to stakeholders to achieve faster and cost-effective development of innovative nuclear energy technologies toward commercial readiness.

Visit GAIN at <https://gain.inl.gov>. Follow @GAINNuclear on [Twitter](#) or visit our Facebook page at [www.facebook.com/GAINnuclear](http://www.facebook.com/GAINnuclear).

## **Washington, D.C. - DOE-NE FOA-0001817 4th Round Announcement**

*March 27, 2019*

WASHINGTON, D.C. – The U.S. Department of Energy (DOE) today announced funding selectees for multiple domestic advanced nuclear technology projects. Four projects in two states will receive varying amounts for a total of approximately \$19 million in funding. The projects are cost-shared and will allow industry-led teams, including participants from federal agencies, public and private laboratories, institutions of higher education, and other domestic entities, to advance the state of U.S. commercial nuclear capability.

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