

## **Industry, National Labs Advance Manufacturing Innovation at Nuclear Apex**

An "Eureka Moment", additive manufacturing, cyber security, accelerating technology, "Smart Fuel" and supply chain networks were omnibus topics at an inaugural Summit & Showcase of one hundred key nuclear energy executives and thought leaders held in Idaho Falls this week from October 2 - 4. The Advanced Manufacturing & Supply Chain Innovation Leadership Summit was sponsored by the U.S. Nuclear Infrastructure Council (USNIC) in cooperation with the Idaho National Laboratory (INL).

Keynotes featured the Chief of Staff for the U.S. Department of Energy's Office of Nuclear Energy, Suzanne Jaworowski; Concurrent Technologies Corporation President & CEO Edward Sheehan; Nationally syndicated columnist and commentator Llewellyn King; INL Laboratory Director Mark Peters; Vedigris Capital Managing Director Walter Howes and Idaho Falls Mayor Rebecca Casper.

Industry presenters included representatives of elite U.S. companies including the Center for Advanced Nuclear Manufacturing, NuScale Power; GE Hitachi Nuclear Energy; Terrestrial Energy; Westinghouse Electric; Vigor; Holtec International; Energy Steel; X-energy; Centrus Energy; and Excel Services Corporation.

In addition to the Idaho National Laboratory, leading government enterprises presenters included the Argonne National Laboratory; Gateway for Accelerated Innovation in Nuclear; National Science User Facilities; Nuclear Renewable Hybrid Energy Systems; and the Canadian Nuclear Laboratories.

Summit topics embraced technology developer and supplier challenges and opportunities; transformative technologies in advanced manufacturing; additive manufacturing on nuclear components and fuels; meeting future energy system demands; X-energy-Centrus collaboration on advanced nuclear fuel; cyber security for direct digital manufacturing; regional supply chains and factory assembly of small reactors; human capital; the Nuclear Energy Infrastructure Database; and the new Pennsylvania-headquartered Center for Advanced Nuclear Manufacturing.

The Summit & Showcase provided tours of INL's Materials and Fuels Complex and Advanced Test Reactor Complex hosted under the auspices of the Idaho National Laboratory.

X-energy and Centrus Energy served as co-sponsors of the Summit with the Canadian Nuclear Laboratories and Holtec Government Services as Summit Showcase Sponsors.

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**About USNIC**

*The United States Nuclear Infrastructure Council (USNIC) is the leading U.S. business consortium advocate for nuclear energy and promotion of the American supply chain globally. Composed of nearly 100 companies, USNIC represents the "Who's Who" of the nuclear supply chain community, including key utility movers, technology developers, construction engineers, manufacturers and service providers. USNIC encompasses eight working groups and select task forces. For more information visit [www.usnic.org](http://www.usnic.org).*