

Webinar Invite

Join us on September 23, 2021, 8:30 am EDT (UTC-4)

Experimental R&D in Russia to Justify Sodium Fast Reactors

Development of new reactor systems calls for justification of safety and operability. Not all the phenomena can be justified by way of calculations. Many systems have been developed for the first time, and some systems are functioning under the totally new conditions. The main requirement to the release of an engineering design is validity of the decisions made. In Russia, a fleet of test facilities has been designed for experimental studies in the area of liquid-metal cooled fast reactors. Most of the test facilities use liquid metal as a coolant, but there are test facilities where water is used as a coolant. In this webinar, the elements and systems of the Generation IV nuclear reactors will be discussed and illustrated by the BN-1200 reactor, and consideration will be given to the experimental R&D carried out in Russia to justify them.

Free webcast!



**September 23, 2021
8:30 am EDT (UTC-4)**

Register NOW at:

<https://attendee.gotowebinar.com/register/8383724902163954448>

Who should attend:

R&D people, NDE operators,
Nuclear regulators, Managers,
Students, General public



Dr. Iuliia Kuzina is the Deputy Director General - Director of Nuclear Power Department in the State Scientific Centre of the Russian Federation – Leypunsky Institute for Physics and Power Engineering, Joint-Stock Company (IPPE JSC). Since 2000, she has been involved in studies of heat transfer in liquid metal coolants. Dr. Kuzina earned her PhD degree in 2003. In 2014, she became Head of the Laboratory for numerical and experimental studies of thermal hydraulics in loops with different types of coolants. Since 2016, Dr. Kuzina has held the position as Director of the Department in charge of SFR, LFR and light-water reactor design justification. Dr. Kuzina is a leader of computational and experimental work aimed at justification of safety and operability of fast reactor designs with liquid-metal coolants. In addition, she has been teaching at the university as a lecturer in thermohydraulic calculations since 2004. Dr. Kuzina is nominated as an expert from Rosatom in GIF LFR pSSC.

Upcoming Webinars

28 October 2021

Metal Fuel for Prototype Generation-IV SFR: Design, Fabrication and Qualification, Dr. Chan Bock Lee, KAERI, Republic of Korea

18 November 2021

Geometry Design and Transient Simulation of a Heat Pipe Micro Reactor, Dr. Jun Wang, University of Wisconsin Madison, USA

December 15, 2021

Development of an Austenitic/Martensitic Gradient Steel Connection by Additive Manufacturing, Dr. Flore Villaret EDF, France