



Join us on January 30, 2019
for the next GEN IV webinar

SCIENTIFIC AND TECHNICAL PROBLEMS OF CLOSED NUCLEAR FUEL CYCLE IN TWO-COMPONENT NUCLEAR ENERGETICS

The webinar presents the overview of scientific and technical problems of closed nuclear fuel cycle in two-component nuclear energetics. The presentation will highlight the existing problems of the current technological platform of NE (thermal reactors in an open nuclear fuel cycle) and the advantages of the new technological platform (fast reactors with closed nuclear fuel cycle). Latest developments associated with the use of mixed UN fuel & spent nuclear fuel reprocessing are briefly presented as well. The remaining research challenges of the new technological platform being developed within the “Proryv” Project framework are summarized in the light of the present technology understanding.

Free webcast

January 30, 2019 at 8:30 am EST (UTC-5)



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Who should attend: policy makers,
managers, regulators, students, general
public

Meet the Presenter...

Mr. Alexander Orlov, Ph.D. is the advisor to the Scientific Director of R&D of the “Proryv” Project. Since 2012, he has been a member of the team developing a new technological platform for NE which consists of fast reactors with lead and sodium coolants, a new type of reactor fuel (mixed U-Pu nitride), and technologies to reprocess spent nuclear fuel in order to return it into the fuel cycle. These technologies combined are known as the “Proryv” Project.



The Generation IV International Forum invites you to attend web-based lectures on the next generation of nuclear energy systems and other cross-cutting subjects. Join internationally recognized subject matter experts and leading scientists in the nuclear energy arena for these short presentations.

Upcoming Webinars

19 February 2019	Safety of Gen IV Reactors, Dr. Luca Ammirabile, EC
20 March 2019	The ALLEGRO Experimental Gas Cooled Fast Reactor Project, Dr. Ladislav Belovsky
17 April 2019	Security Study of Sodium-Gas Heat Exchangers in the Framework of Sodium-Cooled Fast Reactors, Ms. Fang Chen

For more information, please contact: Patricia Paviet at patricia.paviet@pnnl.gov or visit the GIF website at www.gen-4.org