GEN IV International Forum
Expertise | Collaboration | Excellence

Webinar
GIF talks with industry series #5
LFR Developers: Blykalla
Hosted by the GIF LFR provisional SSC

Join us on July 7, 2025, 14:30 CEST (UTC+2)

The nitride fuel R&D program for LFRs by Blykalla

Join us for a GIF hosted webinar to learn about the latest advancements in uranium nitride fuel for Small Modular Reactors (SMRs) and Lead-cooled Fast Reactors (LFRs) by Blykalla.

Blykalla is focusing its efforts on designing, licensing and building its first nuclear reactor, SEALER-One on a site in Sweden. This reactor, with an intended 70MWth of power, will utilize uranium nitride fuel with 9.9% enriched uranium. It will produce high quality heat for biomass pyrolysis as well as for production of hydrogen in high temperature electrolyzers.

This webinar will give you the opportunity to gain insights into Blykalla's R&D and methods for qualifying uranium nitride fuel fabrication as well as the challenges and successes in developing and bringing Generation IV reactor technologies to market and how organizations like GIF can support these efforts.

A Q&A session will provide the room to build upon the initial presentation to further understand how Blykalla is working to bring a Gen IV reactor to reality.

This webinar is the fifth of a series where GIF engages with industry representatives to bridge national and international R&D programs, industry needs and challenges. It is also aimed at and exploring new avenues for fruitful cooperation within the GIF community.

Dr. Mariano Tarantino from ENEA, the Euratom representative at GIF LFR provisional steering committee, will facilitate this webinar.

Free webcast!

Register NOW at:

https://us02web.zoom.us/webinar/register/WN_QRoMEX9iRnCwWygF4ySYCw

Or scan the code

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Who should attend:
policymakers, industry professionals, regulators, researchers, students, general public

Speaker

Prof. Janne Wallenius, professor of Reactor Physics at KTH Royal Institute of Technology, as well as cofounder and CTO of Blykalla.

His competence areas include lead-cooled reactor design and safety analysis, as well as advanced nuclear fuel development. He has more than 100 publications in peer-reviewed journals and an h-index of 27. He has written text-books on transmutation of nuclear waste and Fast neutron Generation-IV reactors.

In 2013 he co-founded Blykalla in order to commercialize the outcome of his research. In 2022 he was selected for the KTH Innovation Award, for his creativity, grit and courage in making innovations for a better society.