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Czech Experimental Program on MSR Technology Development

The webinar will give an overview of the existing experimental development of Molten Salt Reactor (MSR) technology in the Czech Republic. A technology of nuclear reactor systems with liquid molten salt fuel has been investigated in the Czech Republic since 1999. After 2005, the studies cover also thorium – uranium fuel cycle technology, material research and development of selected components of the MSR technology. Today a new, four-year (2017 – 2020) project of MSR technology development is the key component of the Czech MSR R&D program on fluoride salt-cooled nuclear reactor systems. The project is a follow-up and broadening of existing Czech activities in MSR. The aim of the project is to contribute to the development of MSR and FHR reactor technology in the area of reactor physics, nuclear – chemical engineering and material research. The project is solved by a consortium of Czech research institutions and industrial companies led by the Research Centre Řež.

Free webcast

November 12, 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...

Dr. Jan Uhlíř works for the Research Centre Řež, Czech Republic as a Senior Researcher of the Nuclear Fuel Cycle Program. Prior to that, he worked for more than 30 years for the ÚJV Řež - Nuclear Research Institute, which is the mother company of the Research Centre Řež. From 1990 to 2012 his positions were Head of Fluorine Chemistry Department and Deputy Director of Fuel Cycle Division. His long-term expertise is mainly in the development of Fluoride volatility reprocessing method and other fluoride pyrochemical partitioning technologies, recently of those devoted to MSR fuel cycle. Jan Uhlíř has been a leader of several national projects devoted to the nuclear fuel cycle, pyrochemistry and molten salt technology granted mainly by the Ministry of Industry and Trade of the Czech Republic. He was also responsible for the chemical part of the national project SPHINX devoted to the experimental development of MSR technology. He participated in several European projects devoted mainly to pyrochemical partitioning and MSR technology. Dr. Uhlíř is a representative of the Czech Republic in the Working Party on Scientific Issues of the Fuel Cycle of the OECD-Nuclear Energy Agency, a member of the MSR Provisional System Steering Committee of the Gen IV International Forum as a representative of EURATOM and a member of the High Scientific Council of the European Nuclear Society. He earned his M.S. in Chemical Engineering and PhD. in Nuclear Fuel Technology from the University of Chemistry and Technology in Prague.



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

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26 February 2020	SFR Safety Design Criteria (SDC) and Safety Design Guidelines (SDGs). Mr. Shigenobu Kubo

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