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for the next GEN IV webinar  
**European Sodium Fast Reactor:  
An Introduction**

This webinar presents a brief history of the conceptual development of a large-power (3600 MWth) European Sodium Fast Reactor (ESFR), discusses the status of the current R&D activities on Generation-IV ESFR safety enhancements of the Horizon-2020 ESFR-SMART project, and provides an overview of new safety measures proposed for improvement of the three safety functions: reactivity control, heat removal and radioactivity containment. Also, experimental programs currently on-going in Europe in support of the ESFR R&D are briefly introduced. A summary of the activities to be performed during the next phase of the project concludes the webinar.

*Free webcast*

April 15, 2019 at 8:30 am EST (UTC-4)

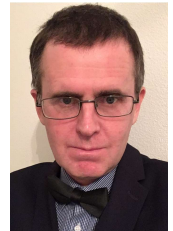


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**Who should attend:** policy makers, managers,  
regulators, students, general public

**Meet the Presenter...**

**Dr. Konstantin Mikityuk** has been involved in research of safety-related aspects of various nuclear reactors with a fast neutron spectrum since he earned his doctorate from the Moscow Engineering Physics Institute in 1992: first at the Russian Research Centre “Kurchatov Institute,” and then at the Paul Scherrer Institute (PSI). His current interests are safety analysis of sodium-cooled fast reactor, in particular neutronics and thermal-hydraulic aspects of sodium boiling. Dr. Mikityuk is a Group leader at PSI, Maître d’enseignement et de recherche at Ecole Polytechnique Federale de Lausanne (EPFL), Lecturer at the Eidgenössische Technische Hochschule Zürich (ETHZ). He is also the coordinator of the Horizon-2020 ESFR-SMART project.



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31 July 2019	Security Study of Sodium-Gas Heat Exchangers in Frame of Sodium-cooled Fast Reactors, Dr. Fang Chen

For more information, please contact: Patricia Paviet at [Patricia.Paviet@pnnl.gov](mailto:Patricia.Paviet@pnnl.gov) or visit the GIF website at [www.gen-4.org](http://www.gen-4.org)