Generation IV International Forum

EDUCATION AND TRAINING TASK FORCE

Join us on February 25, 2020
for the next GEN IV webinar

SFR Safety Design Criteria (SDC) and Safety Design Guidelines (SDGs)

This webinar provides the outlines of the safety design criteria (SDC) and safety design guidelines (SDG) established to achieve high development goals of Gen IV reactors including safety and reliability. Reflecting the lessons learned from the Fukushima Daiichi nuclear power plant accident, the SDC describes requirements that must be met by Gen IV Sodium-cooled Fast Reactors (SFRs), and the SDG provides guidelines on how to apply the SDC to the actual design. The Gen IV SFRs are required to adopt advanced devices and systems as a built-in safety feature, combinations of active safety systems with passive mechanisms or inherent features to prevent and mitigate core damage. Taking the charactristics of the SFR as liquid metal cooling fast reactor system into account, the SDG recommends spesific design measures such as inherent / passive reactor shutdown, natural circulation decay heat removal and in-vessel retention of degraded core.

Free webcast

February 25, 2020 at 8:00 pm (EST) (UTC -5)

Register NOW at www.gen-4.org

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

Meet the Presenter...

Mr. Shigenobu Kubo has been engaged in sodium-cooled fast reactor development since 1989. His specialties are SFR system design, safety design and related R&Ds. He is involved in the development of safety design criteria (SDC) for SFR in GIF as Chair of the GIF SDC task force, and he joined this task force since its inception in 2011.

He currently occupies the position of Deputy Director, Reactor Systems Design Department, Sector of Fast Reactor and Advanced Reactor Research and Development, at JAEA. He participated in the Feasibility Study on commercialized fast reactor cycle systems (1999-2006) and the Fast Reactor Cycle Technology Development project (2006-2011). He was also involved in the France-Japan ASTRID collaboration as Design task leader and Severe accident task leader.

One of his most impressive work is the EAGLE project (SFR severe accident experiments using IGR and out-of-pile experimental facility in Kazakhstan).

He earned his Master degree in nuclear engineering from the Nagoya University, Japan, in 1989.

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	
26 March 2020	MicroReactors: A Technology Option for Accelerated Innovation, Dr. DV Rao and Dr. Jess Gehin
29 April 2020	GIF VHTR Hydrogen Production Project Management Board, Mr. Sam Suppiah
28 May 2020	Performance assessments for fuels and materials for advanced nuclear reactors, Dr. Daniel LaBrier

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