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# FLUORIDE SALT COOLED HIGH TEMPERATURE REACTORS

Fluoride Salt Cooled High Temperature Reactors (FHRs) use solid, ceramic fuel with a molten salt coolant, and deliver heat in the temperature range from 600°C to 700°C. This presentation will review key design features of FHRs and recent work to develop the technical basis for safety analysis and licensing.

### Free webcast

Thursday 27 April, 2017 at 8:30 am EDT (UTC-4)



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

### Meet the Presenter...

**Per F. Peterson** holds the William and Jean McCallum Floyd Chair in the Department of Nuclear Engineering at the University of California, Berkeley. He performs research related to high-temperature fission energy systems, as well as studying topics related to the safety and security of nuclear materials and waste management. He participated in the development of the Generation IV Roadmap in 2002 as a member of the Evaluation Methodology Group, and co-chaired its Proliferation Resistance and Physical Protection Working Group. His research in the 1990's contributed to the development of the passive safety systems used in the GE ESBWR and Westinghouse AP-1000 reactor designs. Currently his research group focuses primarily on heat transfer, fluid mechanics, and regulation and licensing for advanced reactors.



*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

May 23, 2017	Molten Salt Reactors (MSR), Dr. Elsa Merle
June 12, 2017	Lead Fast reactor (LFR), Prof. Craig Smith
July 18, 2017	Thorium Fuel Cycle, Dr. Franco Michel-Sendis

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

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