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## Lead-cooled Fast Reactor - LFR

The Lead-cooled Fast Reactor (LFR) is characterized by a fast neutron spectrum; a liquid coolant with a very high margin to boiling and relatively inert interaction with air or water; and design features that capitalize on these attributes. As with other fast spectrum reactors, the LFR offers fuel cycle options that greatly enhance resource utilization and sustainability. LFR concepts offer great potential in terms of safety, simplification, proliferation resistance and the economic performance. The webinar presents background on fast reactor physics, the historical development and present status of LFR technology and the main characteristics of LFR concepts under current consideration.

### Free webcast

Tuesday, June 12, 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...

**Professor Craig Smith**, Research Professor at the Naval Postgraduate School, Monterey, CA, USA, is a nuclear engineer with broad experience in nuclear energy technology, radiation detection and information science. His previous employment includes a career at Lawrence Livermore National Laboratory (LLNL) where he led the Fission Energy and System Safety Program. Beginning in 2004, he served as the LLNL Chair Professor at the Naval Postgraduate School (NPS) in Monterey, CA. After retiring from LLNL, he assumed his current position as Research Professor of Physics at NPS. He has published several articles, papers and book chapters on topics related to the Lead-cooled Fast Reactor, and he serves as the US observer representative to the GIF Provisional System Steering Committee for the Lead-cooled Fast Reactor. He earned his Ph.D. in Nuclear Science and Engineering from the University of California, Los Angeles (UCLA) in 1975, and is a Fellow of the American Nuclear Society and the American Association for the Advancement of Science.



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#### Upcoming Webinars

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August 22, 2017	Nuclear Fuel and Materials, Dr. Steven Hayes
September 21, 2017	Energy Conversion, Dr. Richard Stainsby

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 <https://www.gen-4.org/>

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