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## ASTRID – LESSONS LEARNED

This presentation will first place the context of the choice of Sodium Fast Reactor in the French Nuclear Policy and its rationale for a closed fuel cycle. It will then present the position of the French Sodium Fast Reactor program in the context of Generation IV. The presentation will then focus on the ASTRID (Advanced Sodium Technological Reactor for Industrial Demonstration) project. The technical achievements, major innovation progress and management challenges will be presented. The ASTRID project description will highlight the major use of digital tools (numerical simulation, use of virtual reality, multiscale and multi-physics modeling, PLM: Product Lifecycle Management) used to perform efficiently such a complex project.

### Free webcast

Monday 30 July, 2018 at 8:30 am EST (UTC-4)



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

### Meet the Presenter...

**Mr. Gilles Rodriguez** is a senior expert engineer at the CEA/CADARACHE (French Atomic Energy Commission/Cadarache center). Since 2016, he has also been the deputy head of the ASTRID Project team, working on Generation-IV Fast Reactor research program. He graduated from the university of Lyon, France in 1990 with an engineering degree in Chemistry and obtained a Master of Science in chemical and process engineering from the Polytechnic University of Toulouse, France, in 1991. His areas of expertise are fast reactor technology, liquid metal processes, and process engineering. From 2007 to 2013, he was Project Leader of sodium technology and components, within the CEA SFR project organization. In 2013, he joined the CEA project on Sodium Fast Reactor: ASTRID (Advanced Sodium Technological Reactor for Industrial Demonstration), first as responsible of the ASTRID Nuclear Island.



*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

August 22, 2018	Brest-300 Lead Cool Fast Reactor, Dr. Valery Rachkov
September 26, 2018	Advanced Lead Fast Reactor European Demonstrator – ALFRED Project, Dr. Alessandro Alemberti
October 24, 2018	Safety of GEN IV Reactors, Dr. Luca Ammirabile, EC

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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