GAIN Innovative Materials Research Workshop

Wednesday, June 15, 2022, 1:00 p.m.-5:30 p.m.
ANS Annual Meeting, Hilton Anaheim, Anaheim, CA, Avila A Room

Discuss a potential new DOE program on advanced and innovative materials research for advanced reactor fuel cladding. Identify possible program objectives and gather industry input to determine priority research directions for Fiscal Year 2023.

PT	Topic	Presenter
1:00 p.m.	Welcome, Introductions, Purpose, Agenda	Lori Braase, GAIN
1:15 p.m.	DOE *Tentative New* Program Objectives	Stephen Kung, DOE
1:30 p.m.	Innovative Cladding Materials for Advanced Reactors / Q&A	Stuart Maloy, PNNL
Advanced Nuclear Industry Gaps and Needs (10 Minute Presentations)		Lori Braase, GAIN
2:00 p.m.	Aurora Reactor	Ryan Webster, Oklo
2:15 p.m.	Westinghouse Lead Fast Reactor	Emre Tatli, Westinghouse
2:30 p.m.	Molten Chloride Fast Reactor (MCFR)	Matt Wargon, TerraPower
2:45 p.m.	*Discussion*	Stuart Maloy, PNNL
National Laboratory Capability and Methods (15 Minute Presentations)		
3:00 p.m.	Summary of the "Capability Needs for Irradiated and Radioactive Materials Research Study"	Simon Pimblott, INL/NSUF
3:20 p.m.	Probing Nanoscale Damage Gradients in Irradiated Metals	Siddhartha Pathak, Iowa State
3:40 p.m.	Properties of Advanced ODS Alloys and Routes for Application	TS Byun, ORNL
4:00 p.m.	High Dose Ion Irradiation Testing of Materials	Kevin Field, U of Michigan
4:20 p.m.	Gaps and Needs Discussion	
5:00 p.m.	Identify Path Forward and Actions	Stuart Maloy, PNNL
5:30 p.m.	Adjourn	

Register at GAIN: https://gain.inl.gov/SitePages/GAIN-MaterialsWorkshop.aspxANS Annual Meeting 2022, June 12-16: https://www.ans.org/meetings/am2022/