Welcome!

GAIN Innovative Materials Research Webinar

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Purpose

Introduce a potential new DOE Program on advanced and innovative materials research for fuel cladding for advanced reactors. This workshop will provide the opportunity to inform program objectives and gather supplier, developer, university researcher, and national laboratory input in the following areas:

- Innovative cladding materials research, including core materials that provide structure (e.g., grid plates, materials that are removed from the core along with refueling activities)
- Innovative characterization and testing methods
- Innovative new methods of qualifying material "quicker"
- Research needs spanning the next 20 years

Agenda

	MDT	Topic	Presenter
1	0:00 a.m.	Welcome, Purpose, Agenda	Holly Powell, GAIN
1	0:10 a.m.	DOE Tentative New Program Objectives / Q&A	Sue Lesica, DOE
\ \1	0:30 a.m.	Innovative Cladding Materials for Advanced Reactors / Q&A	Stuart Maloy, PNNL
Advanced Nuclear Industry Gaps and Needs			
\\1	1:00 a.m.	Advanced Reactor Materials Development Roadmap	Marc Albert, EPRI
1	1:15 a.m.	High Temperature Reactors	Farshid Shahrokhi, Framatome
\\1	1:30 a.m.	Review Feedback from GAIN Innovative Materials Workshop at ANS on June 15, 2022	Stuart Maloy, PNNL
Innovative Materials Research Categories for Advanced Reactor Cladding Focused Discussion on Gaps and Needs Stuart Maloy, PNNL			
1	1:45 a.m.	Innovative Metal Alloys	
1:	2:00 p.m.	Oxide Dispersion Strengthened Alloys	
1:	2:15 p.m.	Ceramics/Composites	
13	2:30 p.m.	Innovative Testing and Characterization Methods	
13	2:45 p.m.	Identify Path Forward and Actions	
	1:00 p.m.	Adjourn	



Housekeeping

- This webinar is being recorded. Your attendance serves as your permission to be part of the recording.
- Please keep your camera off and your audio muted.
- Disconnect Virtual Private Network (VPN) software to avoid audio/video difficulties.
- Presentations/Recording will be posted on the GAIN Website/Workshops.
- Raise your hand or use the "Chat" feature to ask a question or provide input on gaps, needs, issues, ideas, etc., that would benefit potential new research.
- 5 minutes (ish) Q&A after each presentation.









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