

# GAIN Innovative Materials Research Webinar

Thursday, June 30, 2022, 10:00 a.m. - 1:00 p.m. (*Mountain Daylight Time*)

## Purpose:

- Discuss a potential new DOE Program on innovative materials research for fuel cladding for advanced reactors.
- Review the results of the GAIN Innovative Materials Research Workshop held on June 15, 2022.
- Inform program objectives and gather supplier, developer, university researcher, and national laboratory input to determine priority research directions.

MDT	Topic	Presenter
10:00 a.m.	Welcome, Purpose, Agenda	Holly Powell, GAIN
10:10 a.m.	DOE <i>Tentative New Program Objectives / Q&amp;A</i>	Sue Lesica, DOE
10:30 a.m.	Innovative Cladding Materials for Advanced Reactors / Q&A	Stuart Maloy, PNNL
<b>Advanced Nuclear Industry Gaps and Needs</b>		
11:00 a.m.	Advanced Reactor Materials Development Roadmap	Marc Albert, EPRI
11:15 a.m.	High Temperature Reactors	Farshid Shahrokhi, Framatome
11:30 a.m.	<i>Review Feedback from GAIN Innovative Materials Workshop at ANS on June 15, 2022</i>	Stuart Maloy, PNNL
<b>Innovative Materials Research Categories for Advanced Reactor Cladding Focused Discussion on Gaps and Needs</b>		Stuart Maloy, PNNL
11:45 a.m.	Innovative Metal Alloys	
12:00 p.m.	Oxide Dispersion Strengthened Alloys	
12:15 p.m.	Ceramics/Composites	
12:30 p.m.	Innovative Testing and Characterization Methods	
12:45 p.m.	Identify Path Forward and Actions	
1:00 p.m.	Adjourn	

Register at GAIN: [https://gain.inl.gov/SitePages/2022.6.30\\_GAINMaterialWebinar.aspx](https://gain.inl.gov/SitePages/2022.6.30_GAINMaterialWebinar.aspx)