

Agenda

Time (ET)	Description	Presenter / Moderator
11:00 a.m.	Welcome	Lori Braase, GAIN
11:05 a.m.	Welcome and AMMT Program Overview	Dirk Cairns-Gallimore, DOE-NE Meimei Li, AMMT NTD
11:15 a.m.	AMM Qualification Workshop Lessons Learned and AMMT Virtual Panel Session Objectives	Isabella van Rooyen, INL
11:30 a.m.	Presentation 1: ASME VVUQ – Activities to Support Machine Learning and Digital Twins	Josh Kaizer, US NRC
11:45 a.m.	Group Discussion	Ram Devanathan, PNNL
Noon	Presentation 2: ASME VVUQ – Activities to Formalize Uncertainty Quantification	Josh Kaizer, US NRC
12:15 p.m.	Group Discussion	Curtis Smith, INL
12:30 p.m.	Presentation 3: A Digital Twin for Part-A Acceptance and Related Efforts at NIST	Paul Witherell, NIST
12:45 p.m.	Group Discussion	Ryan Dehoff, ORNL
1:00 p.m.	Break	
1:15 p.m.	Industry Benchmarking Panel – Needs for Demonstration Components	Hilary Lane, NEI Isabella van Rooyen, INL
	Discussion may include: <ul style="list-style-type: none"> • Ceramics • Composites • In-core • Balance of Plant • Powder Mfg. • Etc. 	Jurie van Wyk, Westinghouse Tim Bell, Siemens Timothy Lucas, X-energy Xuan Zhang, ANL Samuel Miller, TerraPower
2:45 p.m.	Path Forward	Dirk Cairns-Gallimore, DOE-NE
3:00 p.m.	Adjourn	

GAIN-EPRI-NEI

Advanced Materials and Manufacturing Technologies
VIRTUAL PANEL SESSION: DEFINING A NEW FUTURE!

Virtual Workshop: November 4, 2021 | GAIN.INL.GOV



Acronyms

AMM	Advanced Methods and Manufacturing
AMMT	Advanced Materials and Manufacturing Technologies
ANL	Argonne National Laboratory
ASME	The American Society of Mechanical Engineers
DOE	Department of Energy
EPRI	Electric Power Research Institute
GAIN	Gateway for Accelerated Innovation in Nuclear
INL	Idaho National Laboratory
NE	Nuclear Energy
NEI	Nuclear Energy Institute
NIST	National Institute of Standards and Technology
NRC	Nuclear Regulatory Commission
NTD	National Technical Director
ORNL	Oak Ridge National Laboratory
PNNL	Pacific Northwest National Laboratory
US	United States
VVUQ	Verification, Validation, and Uncertainty Quantification