

## PUBLIC MEETING ANNOUNCEMENT

**Title:** Maintaining Momentum in 2025: NRC Artificial Intelligence Activities and Stakeholder Progress

**Date(s) and Time(s):** March 13, 2025, 01:00 PM to 05:00 PM ET

**Location:** Hybrid (NRC Two White Flint North and Microsoft Teams), Auditorium  
11545 Rockville Pike  
Rockville, MD

**Category:** This is an Information Meeting with a Question and Answer Session. The purpose of this meeting is for the NRC staff to meet directly with individuals to discuss regulatory and technical issues. Attendees will have an opportunity to ask questions of the NRC staff or make comments about the issues discussed throughout the meeting; however, the NRC is not actively soliciting comments towards regulatory decisions at this meeting.

**Purpose:** During this symposium, the NRC will provide brief updates on artificial intelligence (AI) progress within the NRC and with externally-regulated activities. Presentations will be provided by external stakeholders, with the remaining portion of the meeting held for open discussion.

**Contact:** Taylor Lamb  
301-415-7128  
[Taylor.Lamb@nrc.gov](mailto:Taylor.Lamb@nrc.gov)

	<u>URL</u>	<u>Meeting Number</u>	<u>Password</u>
Webinar:	<a href="https://teams.microsoft.com/l/meetup-join/19%3ameeting_YjhjZWlxNTQtZGJiYS00MzYxLTlhMDEtZTBhZGI4NzNkMGI2%40thread.v2/0?context=%7b%22Tid%22%3a%22e8d01475-c3b5-436a-a065-5def4c64f52e%22%2c%22Oid%22%3a%223a4d7774-cdae-4ee5-b562-9453a866e3e8%22%7d">https://teams.microsoft.com/l/meetup-join/19%3ameeting_YjhjZWlxNTQtZGJiYS00MzYxLTlhMDEtZTBhZGI4NzNkMGI2%40thread.v2/0?context=%7b%22Tid%22%3a%22e8d01475-c3b5-436a-a065-5def4c64f52e%22%2c%22Oid%22%3a%223a4d7774-cdae-4ee5-b562-9453a866e3e8%22%7d</a>	220 911 198 547	s4JL6v3h

If you need a reasonable accommodation due to a disability to participate in this meeting or need meeting materials in another format (e.g. braille, large print), please email [Reasonable\\_Accommodations.Resource@nrc.gov](mailto:Reasonable_Accommodations.Resource@nrc.gov). Determinations on requests for reasonable accommodation will be made on a case-by-case basis and the agency may choose between which effective accommodations to provide. At least ten (10) days advance notice is recommended in order for a request to be processed and implemented if approved. However, every effort will be made to address any reasonable accommodations requests received with less notice.

If you have difficulty understanding and/or communicating in English, free language assistance or other aids and services may be available, upon request. Please email [lepresources@nrc.gov](mailto:lepresources@nrc.gov). Determinations on requests will be made on a case-by-case basis. At least ten (10) days advance notice is recommended in order for a request to be processed and implemented if approved. However, every effort will be made to address any reasonable accommodations requests received with less notice.

# PUBLIC MEETING AGENDA

Maintaining Momentum in 2025: NRC Artificial Intelligence Activities and Stakeholder Progress

March 13, 2025, 01:00 PM to 05:00 PM ET

Hybrid (NRC Two White Flint North and Microsoft Teams), Auditorium  
11545 Rockville Pike  
Rockville, MD

<i><b>Time</b></i>	<i><b>Topic</b></i>	<i><b>Speaker</b></i>
1:00-1:10pm	Opening Remarks and Logistics	Taylor Lamb, NRC
1:10-1:25pm	Agency Use of AI	Basia Sall, Katie McCurry NRC
1:25-1:40pm	AI Strategic Plan Implementation Updates	Vic Hall, NRC
1:40-1:50pm	Q&A on NRC Presentations	
1:50-2:05pm	ACE - A Machine Learning based Core Loading Pattern Optimization Tool + Westinghouse AI Application for Visual Inspections	Johan Hammarström, Björn Andersson, Westinghouse
2:05-2:20pm	Enhancing Document Retrieval in the Nuclear Industry: The TerraPower AI Searchbot Experience	Michael Castillo, TerraPower
2:20-2:35pm	Nuclear Industry Objectives and Experience in Leveraging AI	Kelli Voelsing, NEI
2:35-3:05pm	Break	
3:05-3:20pm	An AI-Driven Cyber-Physical Testbed for Small-Scale Advanced Reactors	Yang Liu, TAMU
3:20-3:35pm	Centralized Nuclear Industry Artificial Intelligence Model	Kenny Comeaux, INPO
3:35-3:50pm	Aligning Innovation with Safety: Adapting AI to an Ever-Changing Nuclear Landscape; AI-Supported Engineering Workflows: Optimizing the Nuclear Site License Renewal Process	Pravallika Devineni, Duke Energy
3:50-4:05pm	Strategic Implementation of Artificial Intelligence for Performance Improvement and Efficiency	Jesse Thomas, Southern
4:05-4:20pm	Creating a Business Focused Independent Working Group on AI in the Nuclear Power Industry	Phil Zeringue, Nuclearn
4:20-5:00pm	Open Discussion	

ADAMS Accession Number: ML25071A235

Distribution:

Basia Sall, OCIO

Victor Hall, RES

Jennivine Rankin, RES

Matthew Dennis, RES

Matthew Homiack, RES

Nicholas Buggs, OCIO

Bob Randall, OCIO

Office	RES/DSA/AAB	RES/DSA/AAB	OCIO/DIME
Name	Matthew Dennis	Jennie Rankin	Basia Sall

OFFICIAL RECORD COPY

Link to meeting details: <https://www.nrc.gov/pmns/mtg?do=details&Code=20250056>