

## PUBLIC MEETING ANNOUNCEMENT

**Title:** Fifth Data Science and Artificial Intelligence Regulatory Applications Workshop: AI Regulatory Framework Applicability Considerations

**Date(s) and Time(s):** September 17, 2024, 09:00 AM to 05:00 PM ET

**Location:** Hybrid (NRC Two White Flint North and Microsoft Teams), NRC Auditorium  
11555 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:** The Nuclear Regulatory Commission (NRC) is continuing its Data Science and Artificial Intelligence (AI) Regulatory Applications Public Workshops series. These workshops are part of the agency's efforts to prepare for safety reviews of future AI applications and support the NRC's AI Project Plan, Revision 0 (ML23236A279) which describes how the agency will execute the five strategic goals from the AI Strategic Plan (NUREG-2261). The purpose of this public workshop is to provide an opportunity for NRC and interested stakeholders to (1) discuss the outcomes from the regulatory framework applicability assessment of AI in nuclear applications, (2) present AI use cases being developed for nuclear applications, and (3) provide feedback on regulatory and technical issues surrounding AI usage in nuclear applications.

**Contact:** Matthew Dennis  
301-415-3702  
[NRCAIWorkshop@nrc.gov](mailto:NRCAIWorkshop@nrc.gov)

**Participants:** NRC  
NRC Staff

<u>URL</u>	<u>Meeting Number</u>	<u>Password</u>
Interested members of the public can participate in this meeting via Webinar. Please register for the workshop (in-person or virtual attendance) on the workshop webpage: <a href="https://www.nrc.gov/public-involve/conference-symposia/data-science-ai-reg-workshops.html">https://www.nrc.gov/public-involve/conference-symposia/data-science-ai-reg-workshops.html</a> , or please call the NRC meeting contact.	NA	NA

**Comments:** Registration for the workshop (in-person or virtual attendance) will be available on the workshop webpage: <https://www.nrc.gov/public-involve/conference-symposia/data-science-ai-reg-workshops.html>. The NRC slides for the workshop can be found at ADAMS Accession No. ML24257A090 or linked in this meeting notice. The agenda for the workshop can be found on the workshop webpage. For additional details, email [NRCAIWorkshop@nrc.gov](mailto:NRCAIWorkshop@nrc.gov) or call the NRC's toll-free number, 1-800-368-5642, and ask the operator to be connected to the meeting contact, Matthew Dennis. Slides will be made available online at the workshop webpage: <https://www.nrc.gov/public-involve/conference-symposia/data-science-ai-reg-workshops.html>. NRC will not provide printed hardcopies of the slides.

The NRC provides reasonable accommodations to individuals with disabilities where appropriate. If you need a reasonable accommodation due to a disability to participate in a meeting or need a meeting notice or the transcript or other information from a meeting 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 effective accommodations to provide. At least ten (10) days advance notice is recommended in order for a request for accommodation 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

## Fifth Data Science and Artificial Intelligence Regulatory Applications Workshop: AI Regulatory Framework Applicability Considerations

September 17, 2024, 09:00 AM to 05:00 PM ET

Hybrid (NRC Two White Flint North and Microsoft Teams), NRC Auditorium  
11555 Rockville Pike  
Rockville, MD

<b>Agenda</b> <b>Workshop #5: AI Regulatory Framework Applicability Considerations</b> <b>September 17, 2024</b> <b>9:00 a.m. – 5:00 p.m. ET</b> <b>Hybrid (NRC Headquarters Auditorium, Rockville, MD and Microsoft Teams)</b>		
Time (Eastern)	Topic	Presenter
9:00 a.m. – 9:10 a.m.	Opening Remarks	Scott Morris (NRC)
9:10 a.m. – 9:30 a.m.	Advancing the Use of AI at the NRC	Basia Sall (NRC)
9:30 a.m. – 10:30 a.m.	Fireside Chat with Other Federal Agencies on AI Activities	Session Chair – Vic Hall (NRC) Taka Ariga (OPM) Scott Flanders (NRC) Riddle Houston (DOD CDAO) Samantha Hubner (OMB) James Wolff (NNSA)
10:30 a.m. – 10:45 a.m.	Break	
10:45 a.m. – 11:30 a.m.	Panel Session: NRC AI Research Activities	Session Chair – Luis Betancourt (NRC) Doug Eskins (NRC) Nazila Tehrani (NRC) Katie McCurry (NRC)
11:30 a.m. – 12:00 p.m.	AI Regulatory Gap Analysis Update	Matt Dennis (NRC) Osvaldo Pensado (SwRI)
12:00 p.m. – 1:00 p.m.	Lunch Break	
1:00 p.m. – 2:00 p.m.	Panel Session: Nuclear Industry AI	Session Chair – Paul Krohn (NRC) Jim Slider (NEI) Jim Lynde (PWROG) Michael Brasel (Blue Wave AI) Ian Davis (X-energy)
2:00 p.m. – 3:00 p.m.	Panel Session: AI Innovations for Nuclear Materials, Radioactive Waste and Permitting	Session Chair – Cynthia Barr (NRC) Leonel Lagos (FIU) Nelly Babayan (Microsoft) Dan Nally (PNNL) Tyler Ellis (Commonwealth Fusion)
3:15 p.m. – 3:30 p.m.	Break	
3:30 p.m. – 4:15 p.m.	Small Group Breakout Discussions: Breakout Tables and Online Room (Hybrid and In-Person)	NRC Facilitators
4:15 p.m. – 4:30 p.m.	Break	
4:30 p.m. – 4:55 p.m.	Summary of Small Group Discussions	NRC Facilitators
4:55 p.m. – 5:00 p.m.	Open Discussion and Closing	

ADAMS Accession Number: ML24257A185

Distribution:

OFFICIAL RECORD COPY

Link to meeting details: <https://www.nrc.gov/pmns/mtg?do=details&Code=20240712>

Commission's Policy Statement on "Enhancing Public Participation in NRC Meetings"  
86 FR 14964, March 19, 2021  
ADAMS No. ML21050A046  
<https://www.nrc.gov/reading-rm/doc-collections/commission/policy/index.html>