



Program Agenda

*The content and views in presentations are those of the presenters and do not necessarily represent the views of the U.S. Nuclear Regulatory Commission (NRC).
Agenda is tentative and subject to change. All times noted are Eastern Daylight Time (EDT).*

MONDAY, MARCH 13, 2023

3:00 p.m.–6:00 p.m.
Lower Level **Early Registration Open** (*Registration Service Desk*)

TUESDAY, MARCH 14, 2023

7:00 a.m.–5:00 p.m.
Lower Level **Service Area Open** (*Registration, Internet/Print Center, and Help Desk*)

7:00 a.m.–5:00 p.m.
Grand Ballroom Foyer–Main Level **Digital Exhibits on Display**

7:00 a.m.–7:55 a.m.
Grand Ballroom Foyer–Main Level **Meet and Greet—Networking Opportunity**

8:00 a.m.–9:00 a.m.
Grand Ballroom –Main Level **Opening Session**

Welcome and Introductory Remarks (Morning Message)

- Andrea Veil, Director, Office of Nuclear Reactor Regulation, NRC
- Ray Furstenuau, Director, Office of Nuclear Regulatory Research, NRC

Remarks by The Honorable Christopher T. Hanson

- Christopher T. Hanson, Chair, NRC

9:00 a.m.–9:45 a.m.
Grand Ballroom –Main Level **Special Plenary**

Introduction

- The Honorable Christopher T. Hanson, Chair, NRC

Guest Speaker

- Rafael Mariano Grossi, Director General, International Atomic Energy Agency

9:45 a.m.–10:15 a.m.
Grand Ballroom Foyer–Main Level **Networking Break**
Digital Exhibits on Display

10:15 a.m.–11:00 a.m.
Grand Ballroom –Main Level **Commissioner Plenary**

Introduction and Moderator

- Ray Furstenuau, Director, Office of Nuclear Regulatory Research, NRC

Remarks by The Honorable Jeff Baran

- Jeff Baran, Commissioner, NRC

11:00 a.m.–11:45 a.m.
Grand Ballroom –Main Level **Commissioner Plenary**

Introduction and Moderator

- Andrea Veil, Director, Office of Nuclear Reactor Regulation, NRC

Remarks by The Honorable David A. Wright

- David A. Wright, Commissioner, NRC



MARCH 14-16, 2023

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TUESDAY, MARCH 14, 2023(cont.)

11:45 a.m.–1:30 p.m.

Lunch Break *(On Own)*
Digital Exhibits on Display

Technical Sessions

1:30 p.m.–3:00 p.m.

T1 – Beyond Earth: The Future of Nuclear Technology in Space

1:30 p.m.–3:00 p.m.

T2 – Fuels Licensing Readiness

1:30 p.m.–3:00 p.m.

T3 – Setting a Course for the Future of Emergency Preparedness

1:30 p.m.–3:00 p.m.

**T4 – Transformation and Modernization of NRC Environmental Review Processes:
Meeting the Challenge**

1:30 p.m.–3:00 p.m.

*Departure/Return Location: White Flint
Amphitheater Foyer–Lower Level*

READY, SET, RESPOND!!!—NRC Operations Center Interactive Tour #1

3:00 p.m.–3:30 p.m.

Grand Ballroom Foyer–Main Level

Networking Break

Digital Exhibits on Display

Technical Sessions

3:30 p.m.–5:00 p.m.

T5 – Building on a Strong Foundation: A Voyage through Risk Informed Decision-Making

3:30 p.m.–5:00 p.m.

T6 – How AI and I Became Friends: The Next Steps for the AI Journey

3:30 p.m.–5:00 p.m.

T7 – Re-envisioning the Next Generation of University-Led Nuclear Innovation

3:30 p.m.–5:00 p.m.

T8 – The Odyssey an Export for Advanced Reactors

WEDNESDAY, MARCH 15, 2023

7:30 a.m.–5:00 p.m.

Lower Level

Service Area Open *(Registration, Internet/Print Center, and Help Desk)*

7:45 a.m.–5:00 p.m.

Grand Ballroom Foyer–Main Level

Digital Exhibits on Display

7:45 a.m.–8:45 a.m.

Grand Ballroom Foyer–Main Level

Meet and Greet—Networking Opportunity

8:30 a.m.–9:15 a.m.

Grand Ballroom –Main Level

Commissioner Plenary

Introduction and Moderator

- Ray Furstenu, Director, Office of Nuclear Regulatory Research, NRC

Remarks by The Honorable Annie Caputo

- Annie Caputo, Commissioner, NRC

9:15 a.m.–10:00 a.m.

Grand Ballroom –Main Level

Commissioner Plenary

Introduction and Moderator

- Andrea Veil, Director, Office of Nuclear Reactor Regulation, NRC

Remarks by The Honorable Bradley R. Crowell

- Bradley R. Crowell, Commissioner, NRC



WEDNESDAY, MARCH 15, 2023(cont.)

10:00 a.m.–10:30 a.m.
Grand Ballroom Foyer–Main Level

Networking Break
Digital Exhibits on Display

10:00 a.m.–11:15 a.m.
Grand Ballroom –Main Level

EDO Plenary

Introduction and Moderator

- Ray Furstenau, Director, Office of Nuclear Regulatory Research, NRC

Remarks by NRC’s Executive Director for Operations

- Dan Dorman, Executive Director for Operations, NRC

11:15 a.m.–11:45 a.m.
Grand Ballroom –Main Level

Fireside Chat – A Conversation with The Honorable Christopher T. Hanson, NRC Chair, and The Honorable Laura S.H. Holgate, U.S. Ambassador to the Vienna Office of the United Nations and to the International Atomic Energy Agency

Speakers:

- The Honorable Christopher T. Hanson, Chair, NRC
- The Honorable Laura S.H. Holgate, U.S. Ambassador to the Vienna Office of the United Nations and the International Atomic Energy Agency

11:45 a.m.–1:30 p.m.

Lunch Break *(On Own)*
Digital Exhibits on Display

Technical Sessions

1:30 p.m.–3:00 p.m.

W9 – Decommissioning in a Dynamic Environment

1:30 p.m.–3:00 p.m.

W10 – Effective Global Communication During an Emergency

1:30 p.m.–3:00 p.m.

W11 – Perspectives on Risk-Informed Licensing of Advanced Reactors

1:30 p.m.–3:00 p.m.

W12 – TAYtalks LIVE! Innovation Education

1:30 p.m.–3:00 p.m.
Departure/Return Location: White Flint Amphitheater Foyer–Lower Level

READY, SET, RESPOND!!!—NRC Operations Center Interactive Tour #2

3:00 p.m.–3:30 p.m.
Grand Ballroom Foyer–Main Level

Networking Break
Digital Exhibits on Display

Technical Sessions

3:30 p.m.–5:00 p.m.

W13 – A Look at Future Regulation, NRC and Otherwise, in Light of West Virginia v. EPA

3:30 p.m.–5:00 p.m.

W14 – Million Person Study - Human Health Radiation Risk Assessment in the Nuclear Power and Industrial Radiographer Worker Cohorts

3:30 p.m.–5:00 p.m.

W15 – Empowering Advanced Nuclear Deployment with Non-Power Reactors

3:30 p.m.–5:00 p.m.

W16 – Regional Session - Current Topics Involving the NRC’s Inspection and Oversight Programs



MARCH 14-16, 2023

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THURSDAY, MARCH 16, 2023

7:30 a.m.–10:30 a.m. **Service Area Open** (*Registration, Internet/Print Center, and Help Desk*)
Lower Level

7:30 a.m.–8:30 a.m. **Meet and Greet—Networking Opportunity**
Grand Ballroom Foyer—Main Level

7:30 a.m.–12:00 p.m. **Digital Exhibits on Display**
Grand Ballroom Foyer—Main Level

Technical Sessions

8:30 a.m.–10:00 a.m. **TH17 – Beyond Guns, Gates, and Guards: Innovative Approaches to Securing Advanced Reactors**

8:30 a.m.–10:00 a.m. **TH18 – How Ex-Siting it is for New Reactors**

8:30 a.m.–10:00 a.m. **TH19 – The Future is Now: Case Studies on Nuclear’s Role in Meeting Energy and Electricity Demands**

8:30 a.m.–10:00 a.m. **TH20 – The Future Focused Research Program: Reimagined Research**

8:30 a.m.–10:00 a.m. **READY, SET, RESPOND!!!—NRC Operations Center Interactive Tour #3**
Departure/Return Location: White Flint Amphitheater Foyer—Lower Level

10:00 a.m.–10:30 a.m. **Networking Break**
Digital Exhibits on Display

Technical Sessions

10:30 a.m.–12:00 p.m. **TH21 – Advanced and Cutting-Edge Reprocessing Technologies for Spent Nuclear Fuel**

10:30 a.m.–12:00 p.m. **TH22 – International Collaboration on New Reactor Licensing**

10:30 a.m.–12:00 p.m. **TH23 – Constructing Our Energy Future: Opportunities and Challenges for Advanced Reactor Construction**

10:30 a.m.–12:00 p.m. **TH24 – Paving the Way for Advanced Manufacturing in Nuclear Components**

10:30 a.m.–12:00 p.m. **READY, SET, RESPOND!!!—NRC Operations Center Interactive Tour #4**
Departure/Return Location: White Flint Amphitheater Foyer—Lower Level

12:00 p.m. **Adjourn**