



NRC NEWS

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NRC to Host Public Symposium on Artificial Intelligence

The Nuclear Regulatory Commission will host the [second annual NRC AI Symposium](#) entitled “Moving Data and AI into Practice” on March 12 as a hybrid event to discuss the practical application of artificial intelligence and data-driven technologies in the nuclear sector. The symposium will bring together NRC, industry representatives, external AI experts, and other stakeholders to share experiences and insights on implementing AI in nuclear applications.

The event will include an overview of the NRC’s [AI Strategic and Compliance Plan](#), highlighting how emerging data and AI capabilities are being translated into operational use to strengthen regulatory decision-making, improve efficiency, and support safety and transparency. Updates will also be provided on agency activities to prepare for industry use of AI. The symposium aims to foster a shared understanding of these technologies and gather feedback to inform future regulatory and technical considerations as AI continues to evolve within the nuclear landscape.

Participants will hear from a variety of NRC and industry speakers about real-world examples of AI integration, lessons learned from early adoption, and opportunities for collaboration across the nuclear community. The discussions will focus on practical approaches to leveraging data and AI while maintaining the NRC’s commitment to safety, security, and public confidence.

The symposium will be held from 1:00 p.m. – 5:00 p.m. Eastern in the NRC’s Auditorium at 11555 Rockville Pike in Rockville, Maryland and online via Microsoft Teams. The symposium is free and open to the public, but individuals must [register](#) in advance.

External stakeholders interested in presenting at the symposium may submit a proposal [here](#) by February 6. Selections for a limited number of presentations will be made by February 12.

The U.S. Nuclear Regulatory Commission was created as an expert, technical agency to protect public health, safety, and security, and regulate the civilian use of nuclear materials, including enabling the deployment of nuclear power for the benefit of society. Among other responsibilities, the agency issues licenses, conducts inspections, initiates and enforces regulations, and plans for incident response. The global gold standard for nuclear regulation, the NRC is collaborating with interagency partners to implement reforms outlined in new Executive Orders and the ADVANCE Act to streamline agency activities and enhance efficiency.