

Virtual Workshop on Digital Twin Applications for Advanced Nuclear Technologies

The U.S. Nuclear Regulatory Commission (NRC), the Idaho National Laboratory (INL) and the Oak Ridge National Laboratory (ORNL) would like to extend an invitation to your organization to attend an online workshop on December 1-4, 2020.



This workshop will provide a forum for the nuclear industry and digital twin stakeholders to discuss the state of knowledge, and research activities related to digital twin and their application in the nuclear industry.

The purpose of the workshop is to assess the current understanding of digital twins and identify their potential benefits, opportunities, and challenges for nuclear reactors.

Who: Industry, researchers, and NRC staff with an interest in digital twin technologies for nuclear reactors

What: Workshop on the state of knowledge related to digital twin technologies

- 1) State of Knowledge: Discussions on knowledge gaps related to digital twin technologies.
- 2) Research Activities: Presentations on status of ongoing research.
- 3) Industry Use Cases and Demonstration: Specific presentations from vendors and regulators on use cases and application of digital twin in other industries.
- 4) Panel Discussions: Addressing the technological and regulatory gaps and potential solutions.

We are currently soliciting additional topics and requests for presenting during the workshop. For questions or ideas for discussion, contact Ramon Gascot-Lozada (Ramon.GascotLozada@nrc.gov), Raj Iyengar (Raj.Iyengar@nrc.gov), Prashant Jain (jainpk@ornl.gov), or Vaibhav Yadav (vaibhav.yadav@inl.gov).