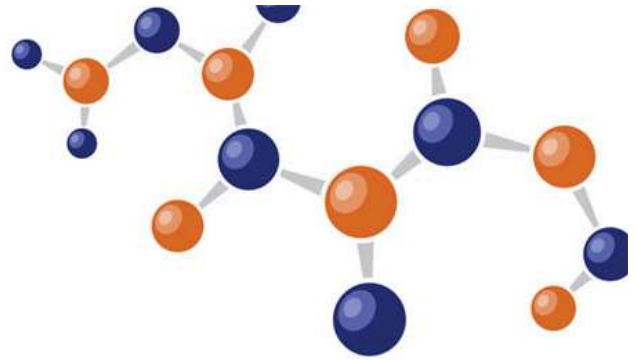




**EDUCATION &
OPPORTUNITY**
IN RADWASTE MANAGEMENT
A NON-PROFIT ORGANIZATION



Track 1 - Crosscutting Policies and Programs

Dynamic Visualization of Repositories for Disposal of Radioactive Waste with Computer Graphics (24726)

**Mon, March
11**

**EX Hall - Level 3 - Student Poster
Lounge**
Phoenix Convention Center North 300 Level

**Student
Posters**

Part of:

042 Student Poster Competition: Future Industry Leaders (1.03a)

Info

Select a Track:

Track 1

Presentation Summary:

Computer graphics applied to the radioactive waste management industry are a novel technique for visualizing and managing deep borehole concept repositories. In this approach, 3D modeling tool were employed to create interactive, real-time 3D representations of the repository's physical attributes, including depth, casing, waste canisters, geological features, and more. This dynamic visualization not only assists in understanding the repository's structure but also enhances the communication of complex information during the licensing process. By incorporating numerical methods and simulations, this technology ensures the safety of radioactive waste disposal, making it an advancement in the industry's efforts to manage nuclear waste efficiently.

Presenter/Panelist



Icaro Freire

Nuclear Technology MSc. Student
Institute of Energy and Nuclear Research, IPEN-CNEN/SP