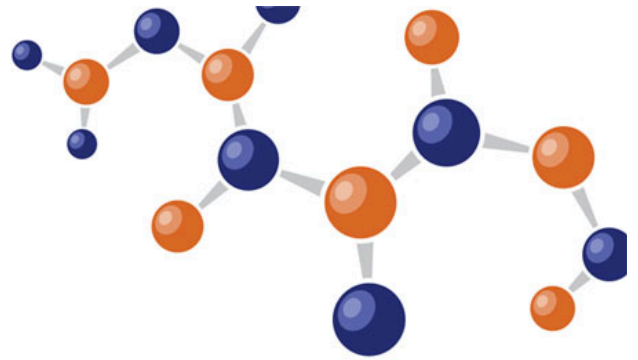






**EDUCATION &
OPPORTUNITY**
IN RADWASTE MANAGEMENT
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Track 1 - Crosscutting Policies and Programs

Computational Modeling of Deep Borehole for the Disposal of Disused Sealed Radioactive Sources

 Mon, February
27

 EX Hall - Student Poster
Lounge

 Student Poster
Competition

Part of:

040 Posters: Student Competition: Future Industry Leaders of Tomorrow (1.2a)

Info

Select a Track:

Track 1

Presentation Summary:

The quality of borehole repositories for disposal of disused sealed radioactive sources (DSRSs) varies significantly depending on their characteristics and the drilling site's physical properties. Although complex systems, a complete coupled computational model which describes the evolution of borehole facilities' performance, safety, and integrity is achievable by implementing current literature descriptions of natural processes and events to 3D real-time visual and interactive media. Game engines provide a practical and robust method of visualizing data in a dynamic sandbox environment, which hastens analysis and creates an effective way to detect failures, leakages, and other impacts on the biosphere.

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