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Hardware Emulation For Iterative EPICS Development

Thursday 19 September 2024 11:30 (20 minutes)

This year, Abilene Christian University's Nuclear Energy eXperimental Testing Lab (NEXT) will deploy a new 50 gallon Molten Salt Test System (MSTS) utilizing an EPICS control system. MSTS is a critical technological stepping stone for the NEXT Lab's ambitious goal to deploy the Natura MSR-1 as the Molten Salt Research Reactor by 2026. This presentation will elaborate on the tooling developed to simulate the underlying controls and instrumentation hardware for deployed EPICS operated systems.

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