

Nuclear Cybersecurity Research

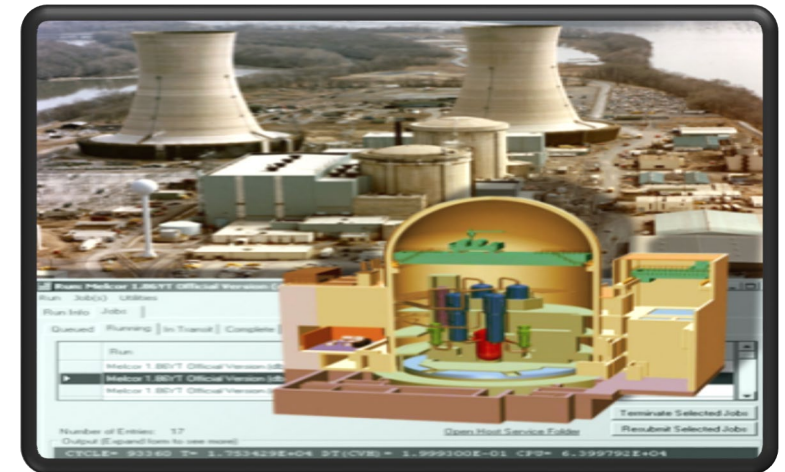
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Objectives

- strengthen security through reduction of vulnerabilities
- mitigate the consequences of threats
- lower the costs of protection and compliance
- provide a collaborative pathway for industry and researchers

Fields of Interest

- Modeling & Simulation
- Information Sharing/Training/Education



Challenge: addresses **characteristics and behaviors** of components within embedded instrumentation and control (I&C) systems that are used within the **nuclear** enterprise through **modeling and simulation**

Objectives:

1. Simulate characteristics of an I&C system under cyber attack;
2. Study the cyber risk impacts of upgrades and maintenance on such systems;
3. Enable future nuclear energy cyber security research, and
4. Facilitate nuclear facility operation education and training.

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