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Ensuring reliability and feasibility of software alarms with PHOEBUS in EPICS network for ALS-U

Tuesday 23 September 2025 16:00 (1h 30m)

The Advanced Light Source Upgrade (ALS-U) project requires a reliable and efficient alarm system. This presentation examines the reliability and feasibility of a software alarm system implemented using PHOEBUS within the EPICS network. We will discuss its architecture, configuration strategies, and management techniques. Testing results highlight the system's robustness. Furthermore, we introduce a compact software demo environment for public use, offering key insights for comparable high-reliability environments.

Footnotes

Funding Agency

Author: RYU, Soo (Lawrence Berkeley National Laboratory)

Co-authors: Dr LEE, Jeong Han (Lawrence Berkeley National Laboratory); Dr LEE, Sangil (Osprey Distributed Control Systems LLC)

Presenter: RYU, Soo (Lawrence Berkeley National Laboratory)

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