



Contribution ID: 34

Type: **not specified**

## Full Stack PLC to EPICS Integration at ESS

*Saturday 7 October 2023 15:30 (30 minutes)*

The European Spallation Source is one of the largest science and technology infrastructure projects being built today. The Control System at ESS is then essential for the synchronisation and day-to-day running of all the equipment responsible for the production of neutrons for the experimental programs. The standardised PLC platform for ESS to handle slower signal comes from Siemens, *while for faster data interchange with deterministic timing and higher processing power, from Berkoff/EtherCAT. All the Control Systems based on the above technologies are integrated using EPICS framework\*\**. We will present how the full stack integration from PLC to EPICS is done at ESS using our standard Configuration Management Ecosystem.

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**Session Classification:** Shaping the Future of Automation