

EPICS Collaboration Meeting September 2022



Contribution ID: 4 Contribution code: E7AP

Type: **Lightning talk**

PVEcho: Using PvaPy in the construction of the Vsystem/EPICS Bridge to facilitate the migration of the ISIS accelerators control system

Friday, September 23, 2022 9:30 AM (5 minutes)

The migration of the ISIS Controls System from Vsystem to EPICS presents a significant challenge and risk to the day-to-day operations of the accelerator. An evaluation of potential options has indicated that the most effective migration method to mitigate against this risk is to make use of a 'hybrid' system running Vsystem and EPICS simultaneously. This allows for a phased porting of controls hardware from the existing software to EPICS. This presentation will describe the two prongs of PVEcho: vistatoepics which replicates Vsystem channels in EPICS and epicstovista which propagates changes in native EPICS IOCs to Vsystem channels. It will outline the software stack used for PVEcho's construction as well as how pvaPy has been utilised to in each of its components.

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Session Classification: Lightning talks

Track Classification: EPICS 7 Applications