

## **Motion Control Future at the STFC ISIS Facility**

*Thursday, 30 November 2017 09:30 (20)*

This presentation will give an overview of the future direction for motion control at the STFC ISIS facility. The current Galil controller based standard control system has been used for over 10 years and was installed on most of the 34 ISIS instruments. It has been reliable but we are now finding limitations to what can be achieved with the system. This system also has custom parts and is difficult to procure. STFC ISIS started a project in 2016 to specify a 2nd generation of the standard system. The project team have collected requirements from the ISIS instrument scientists that are based on their future experiment applications. The specification has been listed for competitive tender and was due to finish in October 2017. This tender focused on selecting the control technology rather than trying to rigidly define cabling and connector standards. The presentation will look at the areas that the project team have investigated, some of the details of the specification and what we want to achieve. The outcome of the tender and selected hardware should also be decided before DENIM and so this can also be discussed.

### **Formal Invitation Letter Required**

No

**Primary author(s) :** Mr COX, Stephen (STFC ISIS)

**Presenter(s) :** Mr COX, Stephen (STFC ISIS)

**Session Classification :** Session D

**Track Classification :** Motion and instrument controls systems