

CAS Future Controls Direction and Development

Friday, 30 October 2020 14:00 (20 minutes)

The 10 MV tandem accelerator ANTARES in early 2000 was upgraded from a first generation bespoke control system, which largely relied on polled serial communications to VME and serial devices to an EPICS control system. In the following 20 years the EPICS control system has been expanded to manage more than the controls of ANTARES, such as logging facility radiation monitors, SF6 storage, users, etc. Though there have been some modifications to the controls infrastructure over time, the underlining networks, security, and hardware have become liabilities which require new solutions to meet modern requirements. This presentation will discuss these areas of concern along with new challenges faced with our new facilities and current directions. Feedback from the forum on the topics discussed is invited and appreciated.

Primary author: BUTTON, David (ANSTO - Centre for Accelerator Science)

Presenter: BUTTON, David (ANSTO - Centre for Accelerator Science)

Session Classification: Significant Projects