Contribution ID: **7**   Type: **Lightning Talk**

Overview of the new Omroneip ethernet/IP EPICS driver

Tuesday, 8 April 2025 10:20 (5 minutes)

Omroneip is a new EPICS asyn driver which is used primarily to communicate with OmronNJ/NX PLCs using the ethernet/IP communications protocol. This protocol is an adaptation of the CIP protocol over Ethernet. It supports the large forward open CIP specification as well as packing of CIP responses. The large forward open message specification uses connected messaging and supports single request/response packet sizes of up to 1994 bytes on OmronNJ/NX.

This driver uses the open source libplctag library which supports communications with Alan-Bradley PLCs. So theoretically this driver can also communicate with Alan-Bradley PLCs, although this has not been well tested.

Primary author: SMITH, Phil (Observatory Sciences LTD)

Presenter: SMITH, Phil (Observatory Sciences LTD)

Session Classification: EPICS Plenary Session

Track Classification: Hardware and Hardware Interfaces