Contribution ID: **1320** Contribution code: **WEPM126** Type: **Poster Presentation**

The RAON integrated control system

Wednesday, 10 May 2023 16:30 (2 hours)

The RAON accelerator facility which is under construction in South Korea consists of many subsystems. These subsystems have many control devices such as Programmable Logic Controller, Power Supply, Motor, and FPGA. In order to integrate these devices into the main control system, the RAON integrated control system consists of three parts which are the main control room, server & storage system, and control network. All accelerator control signals are integrated into EPICS and transmitted over a 200Gbps redundant backbone control network. In addition, the control signals sent from the device are controlled and monitored with a display wall-based system composed of 36 monitors in the main control room. In this paper, we will describe a design of the RAON integrated control system and the result of a performance test.

Funding Agency

Footnotes

I have read and accept the Privacy Policy Statement

Yes

Primary author: SON, Changwook (Institute for Basic Science)

Co-author: PARK, MiJeong (Institute for Basic Science)

Presenter: SON, Changwook (Institute for Basic Science)

Session Classification: Wednesday Poster Session

Track Classification: MC7: Accelerator Technology and Sustainability: MC7.T21: Infrastructures