Contribution ID: **28**   Type: **Talk**

Control panels for high voltage power supply and RACKs' cooling system

Friday, 10 November 2017 10:20 (10 minutes)

High voltage power supply uses modbus protocol in order to receive commands. I had to create control program with LabVIEW software that would allow to change values of specific registers and check values that are already there. RACKs' cooling system is combination of temperature sensors and electromechanical relays. We use RS-485 in order to communicate through modbus protocol with temperature sensors and then accordingly to our results we activate one, two or four fans using electromechanical relays. Everything is working on National Instruments' system called CompactRIO and its modules. Every program has 3 panels, run panel, engineering panel for settings and service panel for maintenance. The presentation will consist short explanations of how every aspect of these programs work.

Primary author: GRYTA, Radosław

Presenter: GRYTA, Radosław

Session Classification: Session 1; 10-nov 2017;

Track Classification: Student Program: SCS-2017 Slow Control System Dubna 2017