

Welcome to NICA days 2017 in Warsaw



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Usage of CompactRIO for GasMonitoringSystem

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First of all, launching and configuring a CompactRIO controller and finding out how to use it. The controller supports many different modules, so it is a great capability to control and measure some electronic systems. The next thing is making those modules useful and to program them. These modules are: analog input and output, digital input and output and GPS time synchronization. GPS module is used for accurate data time-stamping and getting stationary global position and time. Analog and digital input/output modules is used to two electronic systems, controlling and measuring the rotational speed of brushless motors that will be used to circulate air in the air cooling system and controlling and measuring the diaphragm pumps connected with a pressure sensor working in 4-20 mA current loop.

Primary author: Mr KOGUCIUK, Rafal

Presenter: Mr KOGUCIUK, Rafal

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