Abstracts of selected research papers – Prof. D.U.J. Sonnadara

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Development of Client-Server Based Network Centric Remote Data Acquisition Systems

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ABSTRACT

A network centric remote data acquisition system was developed by utilizing the available network resources and technologies such as Java applets / applications and sockets. The digitizing hardware was based on an AD7569 chip that contains two ADC channels with conversion time of 2 µs and two DAC channels with settling time of 1 µs both with 8-bit resolution. The system enables the analysis and the displaying of dynamic analog signals that are acquired at a remote location, on a web browser based interface of a local PC.

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