

ABSTRACT

The IEEE488 Controller/Analyser Hardware and Software Driver

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The IEEE488 controller and bus analyzer have been designed to interface an 8-bit IBM PC compatible computer to an instrumentation environment on the General Purpose Interface Bus (GPIB). The hardware is used to control the instrumentation environment and to capture and display GPIB bus events.

The controller/analyzer was developed in response to the need for a teaching aid for the GPIB at the Instrumentation Laboratory in the Department of Electrical and Computer Engineering at the University of the West Indies.

The project report describes the hardware and software tools designed and developed.