Abstract

Application specific simulation is challenging task in various real time high performance embedded devices. In this study specific application is implemented with the help of Xilinx. Xilinx provides SDK and XPS tools, XPS tools used for develop complete hardware platform and SDK provides software platform for application creation and verification. Xilinx XUP-5 board have been used and implemented various specific Applications with hardware platform. In this study the base instruction set with customized instructions, supported with specific hardware resources are analyzed.

References

- Hartmann, M., Raghavan, P., Perre, V. D., L., Agrawal, P., Memristor-Based


**Index Terms**

Computer Science

Embedded Systems

**Keywords**

Xilinx virtex-5 FPGA board simulation hardware and software design Xilinx Platform Studio.