

## Weekly Report

Date:4/8/13

Group name : Portable FPGA Based Serial Bus Multiplexer (Group 13)
Client/Advisor: Dr. Somani, Dr. Celik
Attendees/Role: Steven LeBlanc - Leader/Firmware Design Adriana Ceylan - Communications/Hardware Design Darin Cleveland - Webmaster/Hardware Design Justin Wheeler - Software Design

### Accomplishments For Past Week

What	Who	Date
Wrote and successfully compiled and ran code to identify correct device, open device for I/O, and send bytes to device.	Justin	4/7/13
Performed a demo test to see if I can interact with USB Host/Bus in the DE2 board. Test only proved the USB blaster is working.	Adriana	4/6/13
Close contact with CSG, Jason Boyd to solve the licensing issue. Sent emails to Altera and Terasic for assistance.	Adriana	4/1/13 - present
Research open cores that can help interact with the USB port.	Adriana	4/7/13
Was able to compile and run Hello World program on FPGA using JTAG UART	Steve	4/6/13
Discovered that MultiSim could not generate noise. Opted to begin directly testing on the hardware. Has started. Non-functional yet.	Darin	4/7/13

Plan for Coming Week/Individual Tasks

What	Who	When
Test code to make sure that the correct bytes are actually sent to the device.	Justin	4/15/13
Work on interfacing with client's control program to generate device commands from user's input.	Justin	4/15/13
Resolve licensing issue, so I can implement communication interaction with the USB port.	Adriana	As soon as possible
Work on getting the UART working following Terasic tutorials	Steve	4/10/13
Work on programming model for Firmware to be implemented on Nios II	Steve	4/12/13
Continue testing the UART on the hardware until debugged and functional.	Darin	4/12/13

Pending Issues

Issue	Responsibility
Avalon SLS license issue is holding up progress for my tasks and team tasks.	Adriana
Figure out why Nios interconnections were causing a resistive TX line on the FPGA on UART implementation	Steve

Individual Hourly Contribution

Darin Cleveland	7
Adriana Ceylan	10
Steve LeBlanc	8
Justin Wheeler	5.5