Computer System on FPGA

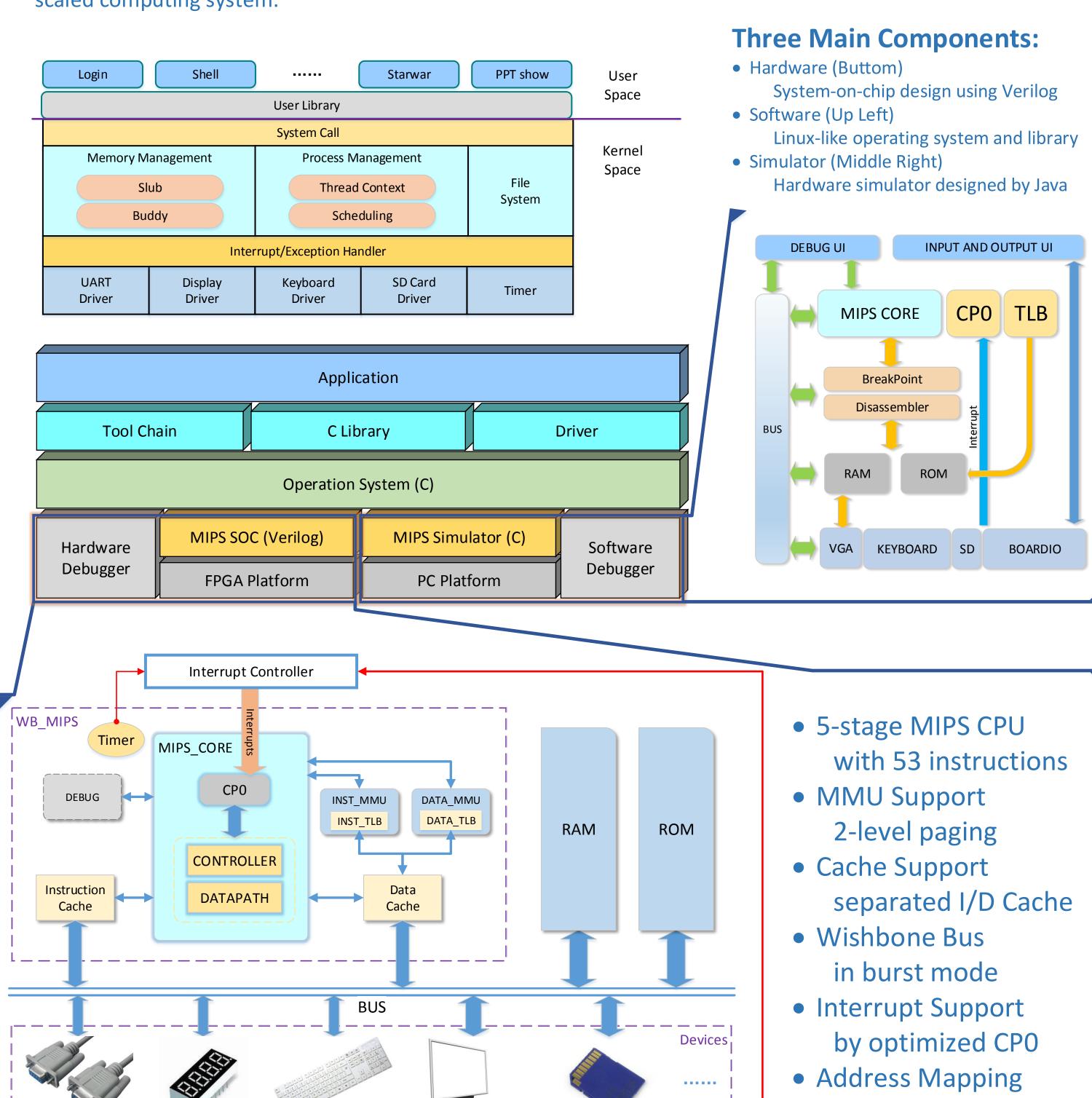




RAM/ROM/IO

A real computer is consisted of many important parts, CPU, MEM, OS, APP, etc. To have a wide and deep aspect on the whole computer system, we are trying to build our own computer from scratch, including both hardware and software. From then on we can have a better point to start the architecture research, as we can change almost everything we can, to make the computer system smaller, faster, and more intelligent.

This project, "Computer System on FPGA", is just a standard version of computer system, actually we can also build a system oriented on specific purpose, such as embedded system, real-time system, or even large-scaled computing system.



Board IO

UART

Keyboard

VGA

SD Card