

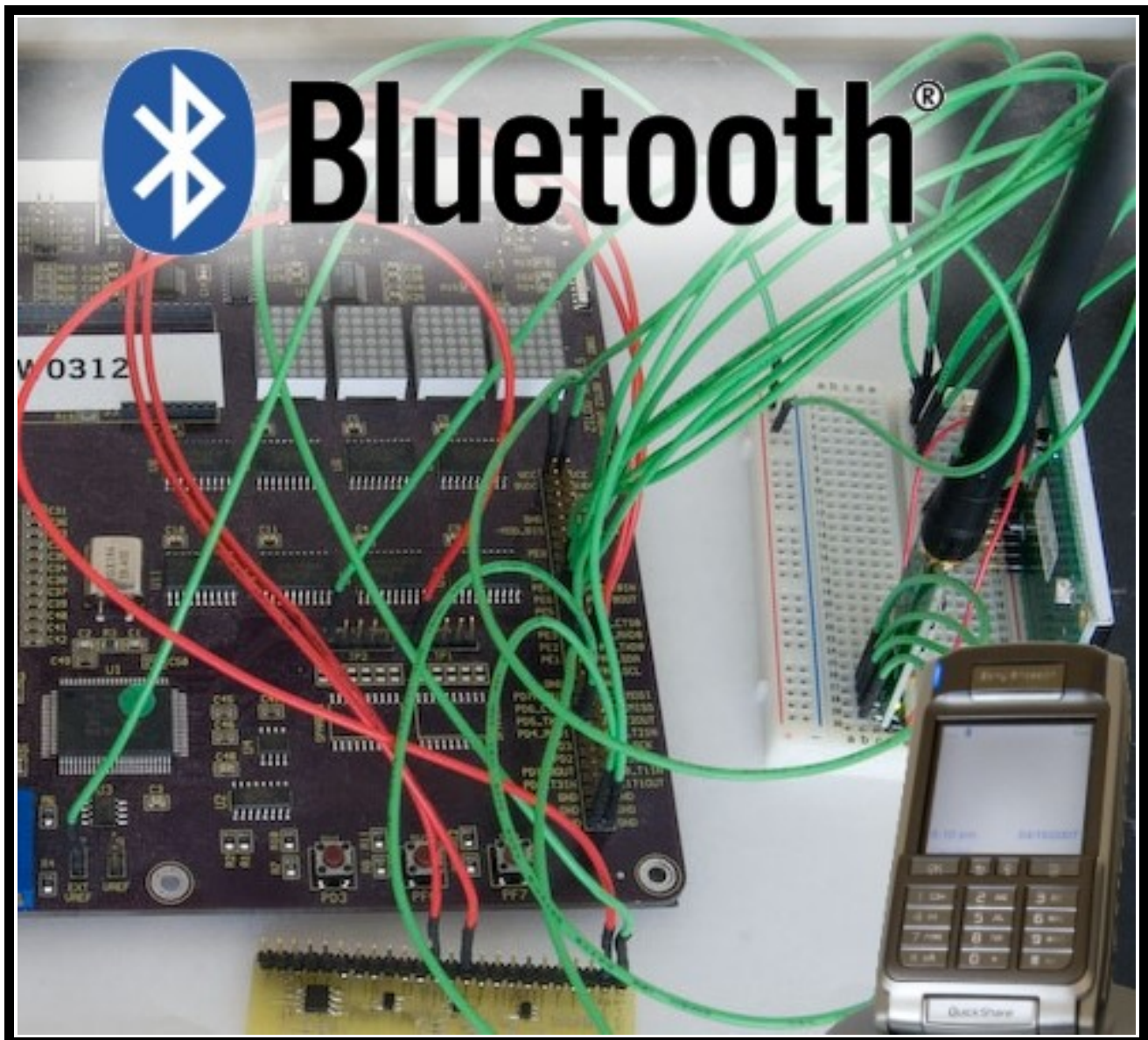
BlueSense

Real Time Embedded Systems, George Washington University, Fall 2007
Hypheng Lim, hypheng@gwu.edu

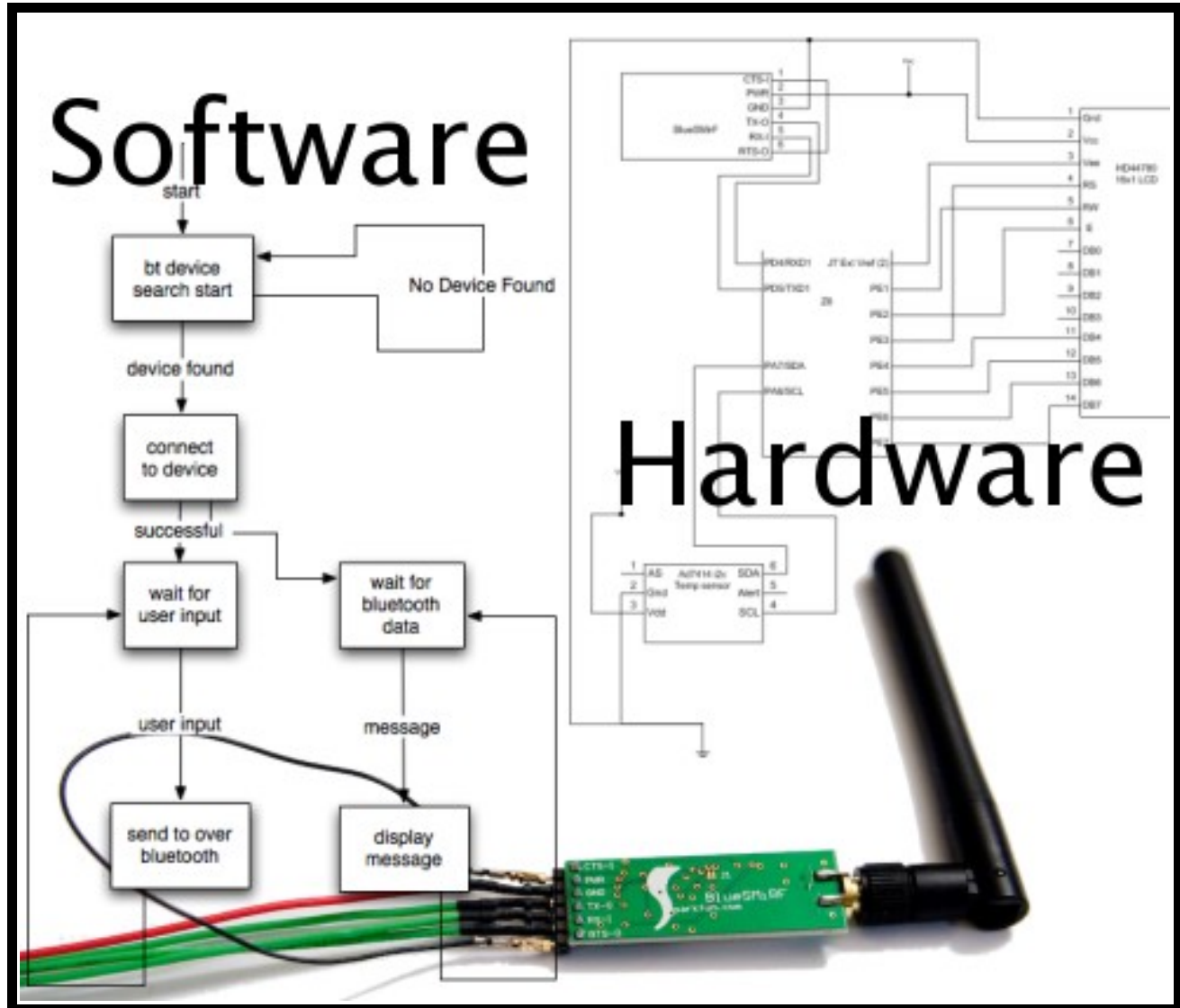
Project Abstract

The goal of this project is to establish a wireless bluetooth communications channel between the Zilog Z8 microcontroller and a Sony Ericsson P910i mobile phone. Once connected, the P910i would be able to send commands to the Z8 to request certain data, such as readings from a temperature sensor. Additionally, the P910i can send data messages to the Z8 to be displayed on a connected LCD device.

Final Project



Work In Progress



Lessons Learned

- Java J2ME programming environment
- JSR82 Bluetooth API
- Bluetooth Communications and Configuration
- Z8F6403 Driver Writing
- Z8F6403 UART/RS232 api
- I²C Serial Bus