RFID Wireless Employee Access System
(Fetah Basic & Kenneth Dean)

Track and grant personnel access via RFID and WiFi

- **Active RFID Tag / Reader Combo**
- **ARMite Microcontroller with LCD Display and 802.11b**
- **Zigbee USB Dongle utilizing WiFi 802.11b**
- **Door Lock Device (Solenoid, Driver, Power Relay)**

**Diagram:**
- RFID Reader 1
- RFID Reader 2
- PC
- Zigbee 802.11
- RFID Tags
- Magnet Sensor
- ARMite Microcontroller
- LCD 1
- LCD 2
- Driver
- Solenoid

**Discovery:** Active RFID Tags from two separate readers on two threads

**Process data:** Via state machine track and determine criteria to lock/unlock Door; And/Or Clock In or Clock Out

**Send Function List Commands to Microcontroller via WiFi**

**Execute:** Receive and process commands; Lock/Unlock Door, LCD control, Read Door Sensor...