

## FPGA

1. Embedded FPGA (2 to 4)  
-- gps to google map, bt, daq
2. Reconfigurable FPGA? (2)  
-- more on energy monitoring
3. FPGA Instrumentation (2)
  - a. solar related instrumentation
  - b. TDR
4. FPGA-based data acquisition system with flash memory or MMC/SD card storage with SMS-Bluetooth capabilities (3 to 4)
5. IP cores (1 to 2)
  - a. Ateneo MCU (2)
  - b. DSP related processing (2)
6. Educational FPGA System (2)  
i.e. teaching digital design using fpga system
7. FPGA-based software radio??? (2 to X)
8. FPGA-based board tester (2)

## Robotics

1. Biped?? (2 to 4)
2. robot arm application (2 to 4)
3. robotic construction
4. swarm robots?? (2 to 4)

## Computer Interfacing

1. swarm algorithm applied to several PCs? (2)
2. PC-based software radio?
3. PC/LabView based board tester (2)

## Embedded Linux

1. wireless data acquisition system