SRVC Meeting(July 8th)

- At this meeting we talked about laptops, high level design,
- Decided not to think about compute hardware for the robot until later (end of August)

- Small projects Dave thought of:
    - Fix matlab_powerbot
    - Re-examine the ability to "look back" at objects
    - Freeze the occupancy grid map and just do localization afterwards
    - Integrate a second laser-scanner
    - Construct a topographical type map (the maximum height in each occupancy grid cell)
    - Investigate getting a pan/tilt unit mounted laser to build more accurate object structure for recognition (here is a paper combining laser data with vision for recognition http://www.stanford.edu/~sgould/papers/eccv08-vision3d.pdf)
    - Google 3D Warehouse (an example of a paper using this data for shape-based classification is http://www.cs.washington.edu/homes/kevinlai/publications/lai_rss09.pdf)
- [Sancho] will investigate Purchase one new laptop with the following specs:
 - Firewire
 - Fast CPU
 - 4GB RAM or more
 - At least dual core, quad core if not too much more
 - CUDA capable graphics card (pro-version graphics card if possible Quatro)
 - Less weight is favorable
 - Maximum available battery life
- [Scott and Sancho?] will clean up the CLASSIFY directory
- [Dave] will clean up the ROBOT directory if needed
- [Scott, Sancho, Dave, Matt D. and Tris] will add readmes describing each directory and it's functions (espeically if it is used or not)