Project Overview

- Targeting automation of many information-intensive tasks

- Automation requires the synergistic use of sensors, standard hardware interfaces, intelligent software and adaptive algorithms
  - Sensors provide audio, image, pressure or position input
  - Software controls actuators within appliances and also interface with other appliances

- We are building a framework that allows for rapid deployment of information-automation solutions
Progress Through June 2000

- Interface to speech server SLS-Lite to recognize specified set of voice commands
- Appliance Request Broker (ARB) infrastructure to provide a platform for networked information appliances
- Communication layer underneath the ARB based on digital RF to send information from one appliance to another
- Automation layer on top of the ARB to allow a script, i.e., a sequence of commands for appliances, to be easily written
Research Plan for the Next Six Months

• Create automation scripts that will sequence through specific combinations of commands to objects
  • Determine best route taking into account traffic conditions
  • Fast search for information across web-sites and databases