

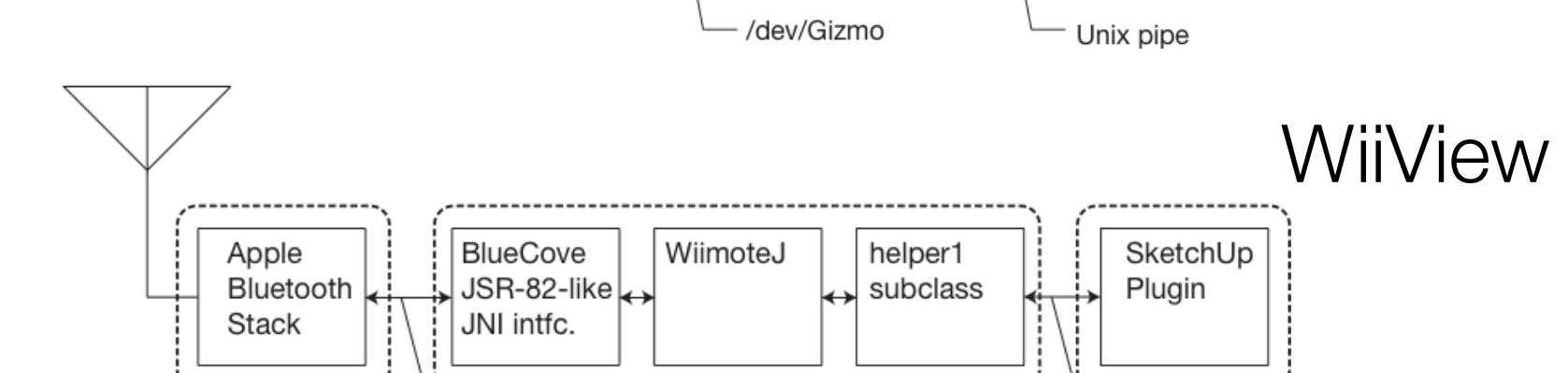
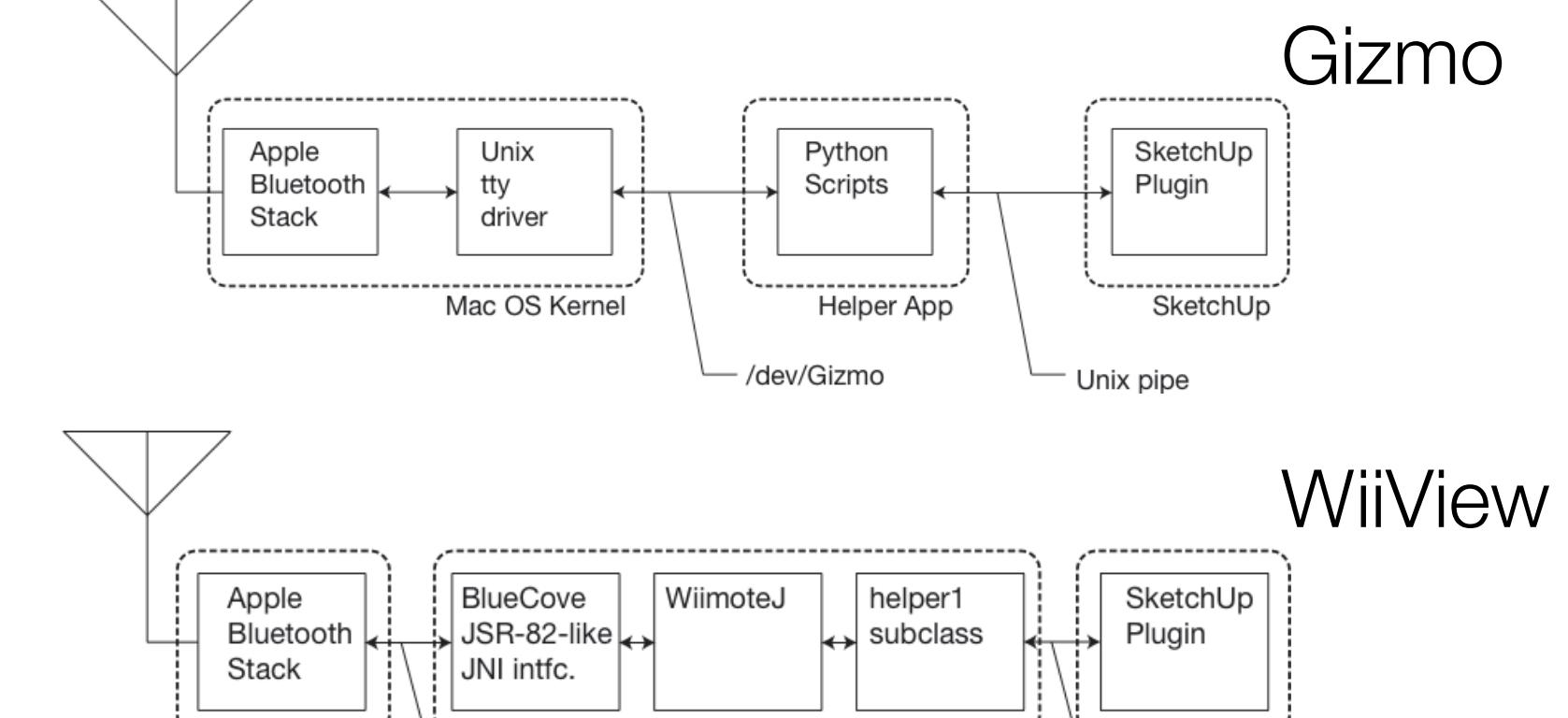
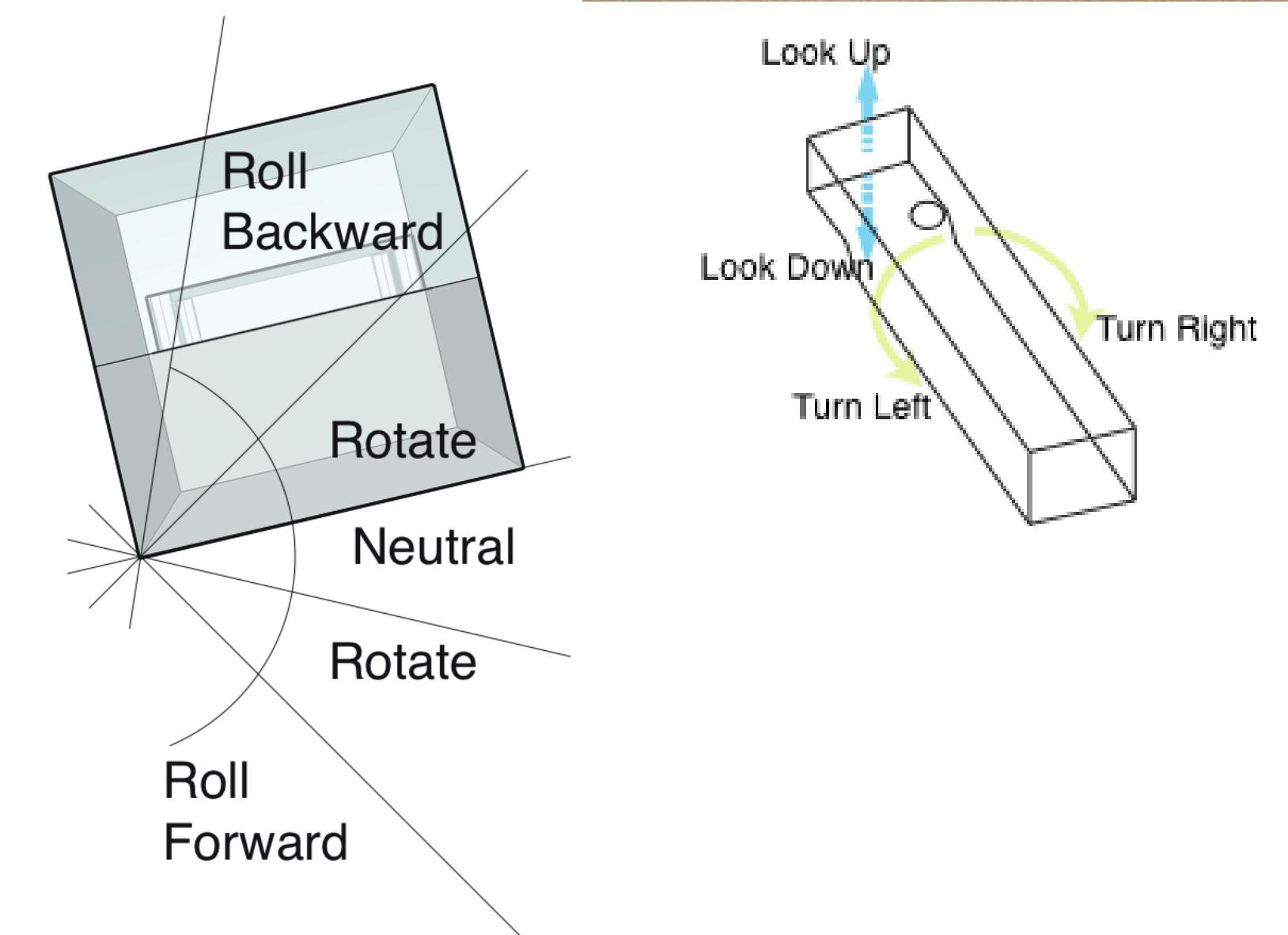
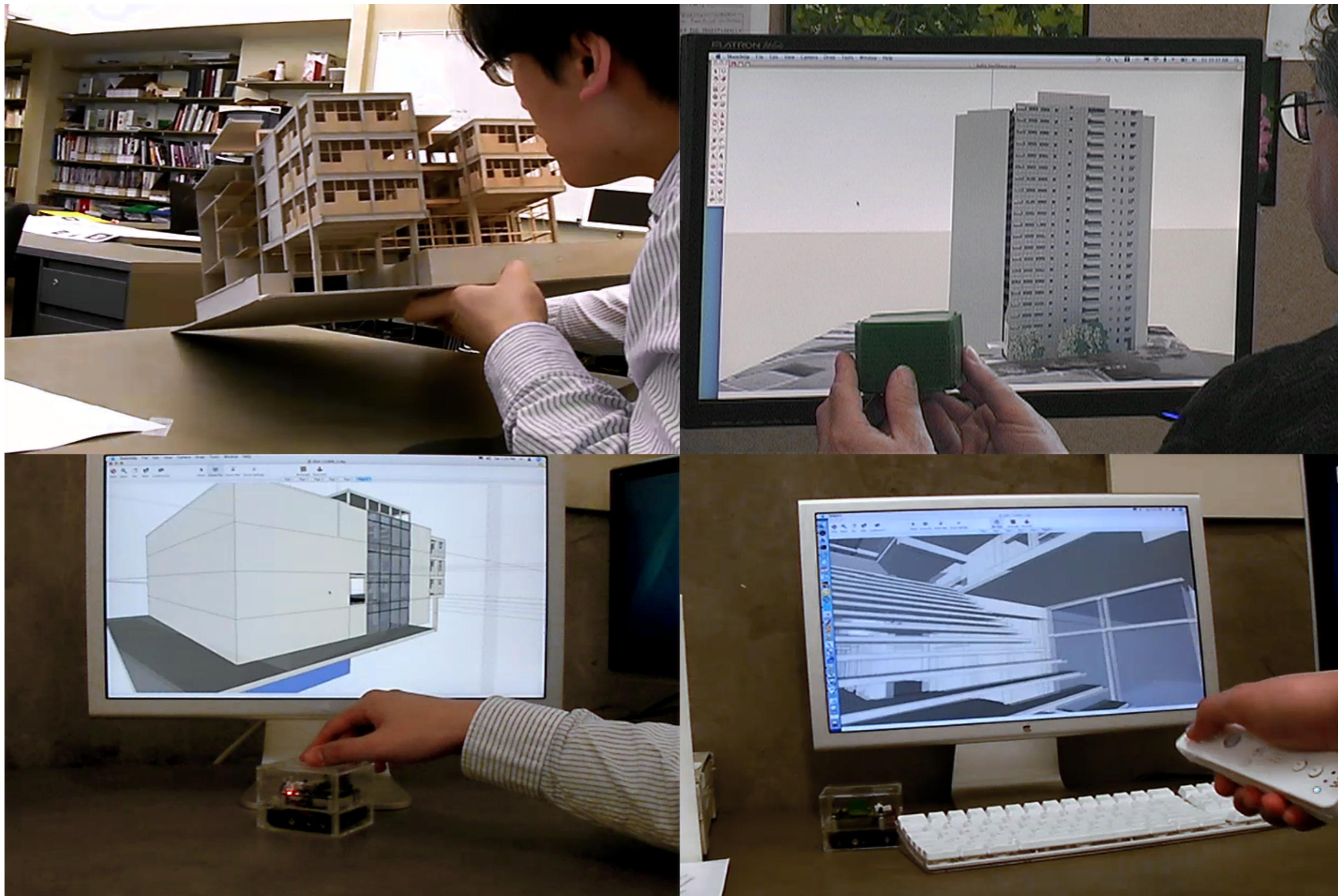
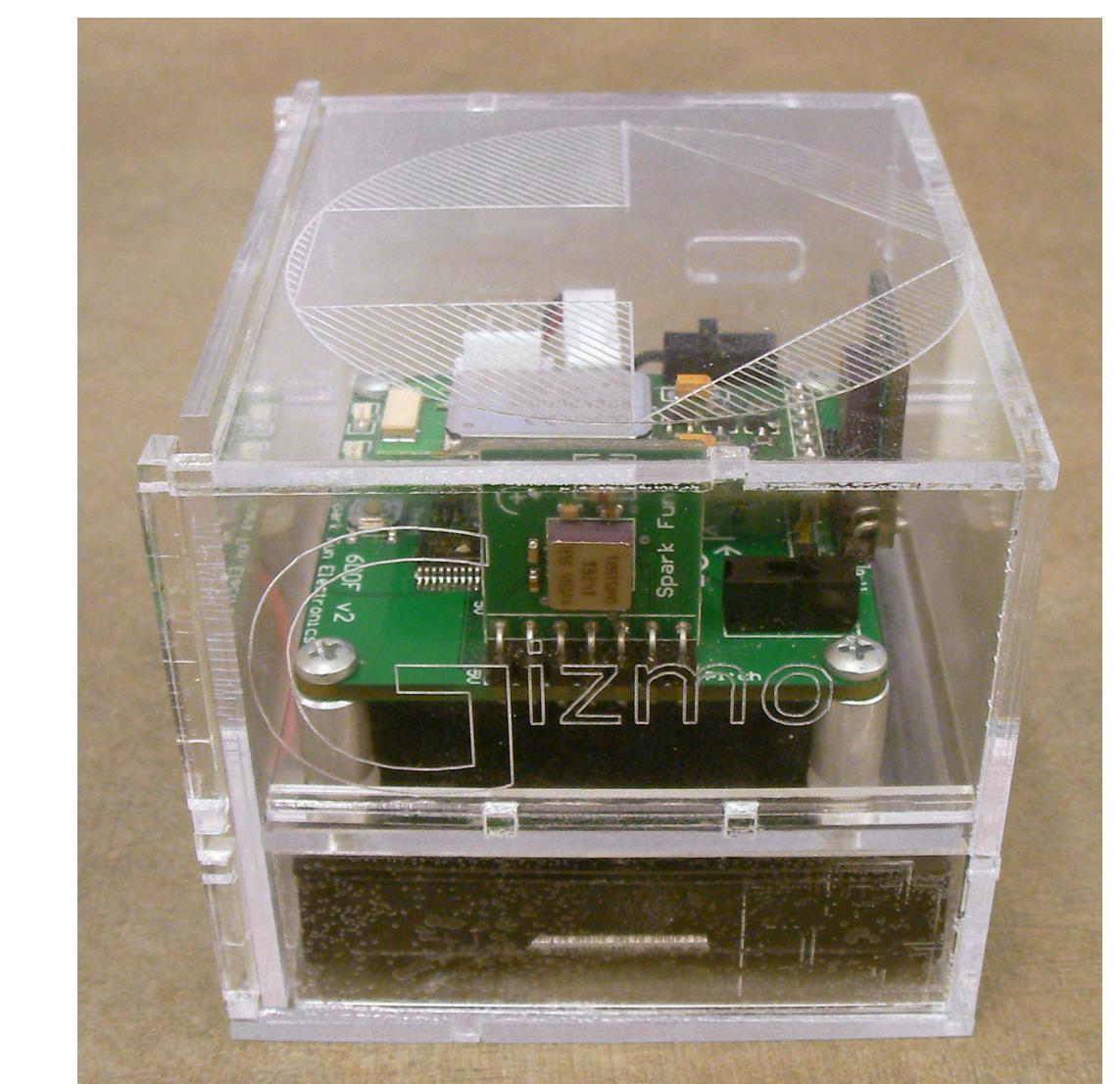
Gizmo and WiiView

Inexpensive Tangible Interfaces for Navigating Digital Building Models



Simple, inexpensive navigational technology for simple inexpensive architectural modeling software

- A simpler way to get around digital building models—less use of keyboard, mouse, layers, hiding, transparency, etc., etc. etc.
- Easy collaborative application
- Inexpensive, widely-used software base



Studies

- Model Exploration Task (n=4)
 - Chair counting task
 - Results: users did better with mouse
- Informal User Review
 - Devices are attractive; most reviewers were interested
 - Devices have been used with study models in preference to mouse/keyboard
- Conclusions to date
 - An interesting technology which we are still exploring

Ongoing Work

- Devise better metrics
 - Early users like the devices, but so far our testing doesn't tell us why
- Refine gesture vocabulary
- Study cognitive aspects of the technology
- Experiment with WiiView as modeling tool, rather than navigational tool
- Support More Platforms
 - Windows (improve), Revit, Rhino, Radiance
- Publish experimental versions as open source