

Welcome to 382V: Architectural and Design Intent

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EE 382V

- www.ece.utexas.edu/~perry/education/382v-s06/
 - ↳ Syllabus
 - ↳ Related papers - still incomplete, but presentations and reports will come from this list
- **Class grading**
 - ↳ Participation
 - ↳ Presentations and reports
 - ↳ Class project (if we have one - haven't decided yet)
- **For additional understanding of software engineering issues, see lectures and papers for my 360F course**
www.ece.utexas.edu/~perry/education/360F/

General Outline

- Overview
- Intent in Construction
 - ↳ Inscap
- Intent in Architectural Description
- Past work in capturing design decisions
- Architectural intent
- Design intent

Some Thoughts

- **Important distinction: problem space vs solution space (Jackson, ICSE95 keynote)**
- **Hypothesis: the further away the design is from the problem space, the harder it is to discern intent**
 - ↳ Get our basic concepts from the problem space
 - > Objects
 - > Processes
 - > Etc
- **Possible exception: we do some things in the design**
 - ↳ that are endemic to the solution space (eg, some of the non-functional properties)
 - ↳ which intent may be independent of the problem space