

Notes from ITR Meeting on 2/17/2006

- ◆ Introductions
- ◆ Research Updates
 - Dr. Kaber's Team:
 - Preliminary usability investigation of barcoder interface at CELISCA
 - Planned usability study of SAMI and incubator interfaces
 - Next research step: Preliminary data from usability study
 - Dr. St. Amant's Team:
 - Replacing SHAKEN with PDDL, which will be used to produce both high- and low-level models (e.g. ACT-R)
 - Developing method to translate PDDL to ACT-R
 - Translating GDTA work to GOMS
 - Next research step: Formalize GOMS translation based on preliminary data from IE usability study
 - Dr. Chow's Team:
 - Petri net simulation of HTS line
 - Random delay not matching measured times, so using dynamic transition model
 - Adaptive bandwidth allocation algorithm
 - Evaluated bandwidth allocation algorithms (static, proportional, and optimal)
 - Developed "MOO" algorithm
 - Next research step: Develop fault detection and analyze system mathematically
- ◆ Information on NSF visit
 - Future Research for NSF consideration developed (handout)
 - Student proposals for Doctoral Dissertation Enhancement Program discussed
- ◆ Presentation on the use of GOMSL models and Java device development