

IE/ECE Team Student Meeting on 6/13/07

- I Current Development of Unidirectional Simulink to VSCI Communication
 - A Currently running pre-developed static scenario file developed by hand
 - B Need to Run Simulink and VSCI simultaneously on single machine to determine:
 - 1 Synchronization of program clocks
 - 2 Scenario file I/O processes
 - C Discussed the situation when user discards a plate w/in the VSCI during the system run, the remaining steps were still developed by Simulink for the already discarded plate. Therefore, the VSCI had to wait with an empty system for the scenario step that contains the next plate generation event.
 - 1 Discussed the development of a separate Decision Event file generated by the VSCI to be read by the Simulink
- II Proposed Development of Bidirectional Simulink and VSCI Communication
 - A User decision times need to be captured for Simulink interaction with VSCI
 - B Components of Decision points need to include:
 - 1 What error decision point occurred
 - 2 Total time to correct the error
 - 3 Equipment related to the error
- III Information Needed for Simulink Development
 - A System and Decision Events:
 - 1 System event number at which plate generation occurs (#6)
 - 2 System event numbers at which errors occur (#8, #14)
 - 3 System event number at which plate decision occurs (#16)