

BEARS 2009



Center for Hybrid and Embedded Software Systems

545 Cory Hall, Donald O. Pederson Center, 2:00 – 5:00pm

CHESS will present posters and demonstrations that focus on the model-based and tool-supported design methodologies for real-time fault tolerant software on heterogeneous distributed platforms. We will cover areas such as:

- Precision Timed (PRET) Machines which deliver high performance, but not at the expense of timing predictability.
- Programming Temporally Integrated Distributed Embedded Systems (PTIDES)
- Cyber-Physical Systems - systems that integrate computation, networking and embedded systems
- Model Transformation using pattern matching
- Models of computation in Ptolemy II