NON-PREEMPTIVE REAL-TIME SCHEDULING OF DATAFLOW SYSTEMS

Thomas M. Parks and **Edward A. Lee**

Department of Electrical Engineering and Computer Sciences
University of California, Berkeley

Abstract

- **The processor utilization bound for *non-preemptive* rate-monotonic scheduling is derived using theories for *preemptive* real-time scheduling.**
- **Our dynamic, real-time execution model is inspired by multithreaded dataflow architectures.**