

A Framework for Evaluating ■ Programming Models for Embedded CMP Systems

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Overview

- Motivation
- Target Architectures
- Programming Model
- Software Environment
- Applications
- Preliminary Results and Conclusions
- Future Work

Motivation

- **Embedded** multiprocessor systems for are different than their GP counterparts
 - Interprocess communication can be very cheap
 - Communication architecture tailored to application
 - Desirable not to have a heavy OS or large library to handle communication
- Efficiently programming these systems in an HLL is an absolute necessity
- How do we evaluate the machine abstraction that is presented to the programmer?