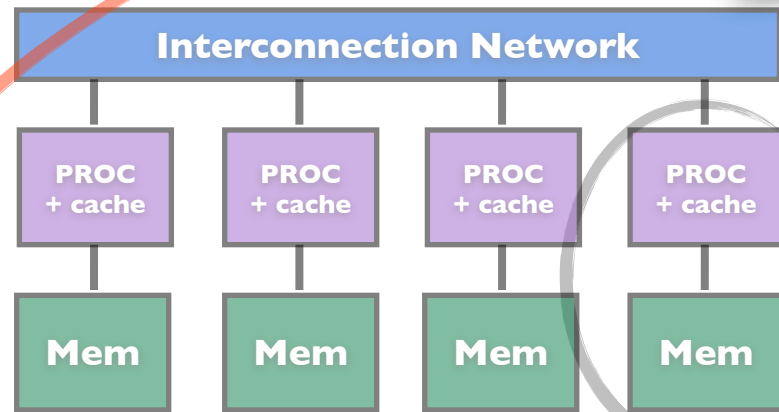


## Distributed Memory



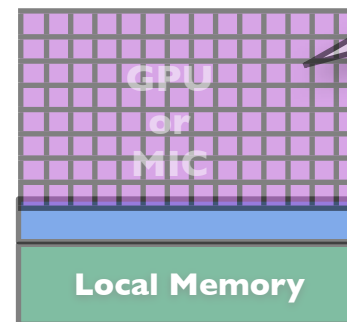
**Data Parallelism:**  
Focus on who owns what data and what communication is needed

MPI,  
Sockets

Rmpi,  
pbdMPI,  
socketConnection

**Simple Task Parallelism:**  
Same Task on Block of data

## Co-Processor



GPU: Graphical Processing Unit

MIC: Many Integrated Core

CUDA,  
OpenCL

OpenCL

OpenMP

**Task Parallelism:**  
Focus on who does what task

OpenMP,  
Threads,  
fork

multicore  
(fork)

## Shared Memory

