

## *Synchronous Applications*

### Performance Model

$T_{new}$  = Execution time of the **slowest** task

## *Asynchronous Applications*

### Performance Model

$T_{new}$  = The **average** of the execution time of all tasks

### Energy Consumption Model

$E = \sum \text{Dynamic-energy}(T_{cp_i}) + \sum \text{Static-energy}(T_{max})$

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$E = \sum \text{Dynamic-energy}(T_{cp_i}) + \sum \text{Static-energy}(T_i)$