











## **DSE Key Modeling Idea: Abstract Function**



## Model of application = network of tasks

- □ No processing
- □ As few control as possible
- □ I/O bandwidth and processing time modeled (statistical bounded models when needed)
- □ No difference between hardware and software tasks (partitioning not yet defined)
- Model of architecture made of a small library of generic components (CPU, memory, bus, ...)

## Mapping of application on architecture Including arbitration schemes for multitask nodes

ENST-LabSoC - <u>Renaud.Pacalet@enst.fr</u> - 9/29/2003 - Page 7



















