(51110 Systems Organization Computer Organization Computer Organization Central Percessing Unid (CPU) Registers

Arithetic Logic Unit

Memorry (ALU) This is a miceopercessor Timing & Contact Unit Input Output System Bus (how the data flows) Typically S.R.A.M. This is faste than DRAM (its made of lip flops) but takes more space and is more expensive. To very lost local registers. Since the local memory is laster, we can then take full advantage of the speed of the ALU. Memory management contests what is kept local and tries to keep only pelevant data there. A microcontroller is a microprocessor which is connected to the outside world by sensors.
These are found everywhere in E.g. working madines, howehold appliances. Register Section General Purpose (Odla Registers)

· wood to hold operands / rosults of operations · how many? Tradeoff between space and max CPU efficiency · how many bits / register? Depends, typically e.g. 32, 16 etc.