

Hi, my name is Riccardo Bettati

and in this module about **Memory Management** we are going to learn about

Memory Allocation, in particular who allocates and frees memory in a system, and how this is done.

We will also learn about **logical vs. physical memory** to support multiple processes, and how the hardware supports the mapping from logical to physical memory.

This will allow us to understand about **virtual memory systems**, where the operating system can support amounts of logical memory that are much larger than the available physical memory.

Once you complete this module you will understand how the **memory management unit** of a typical CPU works, and you will be able to **implement** your own **manager for the physical and virtual memory**.