Lecture 18

Last time:
- Virtualization
  - Threads
  - Virtual memory
  - Bounded buffers
- Virtual Links
- Thread coordination with a bounded buffer
- Race conditions
- Deadlocks

Today:
- Addressing domains.
- Controlled sharing with multiple domains. Domain tables.
- Kernel and user modes to enforce modularity
- Gates. Supervisor calls
- Kernels; micro-kernels versus monolithic kernels
- Memory virtualization
- Address translation
- Paging. Virtual address spaces
- Optimization. TLBs
- Segmentation.

Next Time:
- Processor virtualization; threads