Computer Science - Concurrency

Overview

How to make computers run multiple tasks

Parrallelism

How to program a machine with more than one processor

Race Condition

System behaviour is dependant on the sequence/timing of other uncontrollable events

Mutal Exclusion

Stop more than one interaction at a time

Semaphore

Operation priority can be binary (processing or waiting) or counting (queued system).

Deadlock

Two operations at the same time on a mutally exclusive set, how to resolve.