**CIS 525 Software Development of Parallel and Distributed Systems**

**Performance Modeling of Client-Server Architecture**

1. Modeling for performance evaluation – step-wise refinement of a PN model.
2. Performance parameters – utilization ratios of participating devices, system’s average response time.
3. Place invariants – verification of system properties.
4. Rapid prototyping with respect to various client-server architectures and scenarios.
5. Comparing performance measurements with results of simulations.