CS5613 Computer Networks and Distributed Processing
SPRING 2012

Instructor: S. Lakshmivarahan,   Office : DEH - 230

Class Time: T-TH 10.30 - 11.45 AM,   Place: FH - 336

Office Hours: T-TH 9.00 to 10.00 am
              T-TH 3.00 pm to 3.30 pm

Topics to be covered:

1) Need for parallel machines, a classification of parallel architectures
2) Interconnection Networks based on Cayley graphs of finite groups
3) Path properties, Routing, Embedding in Cayley graphs
4) Performance measures for parallel algorithms
5) Parallel algorithms development - matrix related problem
6) Parallel programming using MPI

Lecture Notes: This class will be based on a set of class notes and research papers that
will be distributed to the class.

Final Exam: Tuesday, May 8th, 2012 from 8.00 to 10.00 am

Grading: Assignments – 6-8; one mid-term and a final. Assignment –30%, midterm
30%, final 40%. Grading scale: A is 90 and above, B is from 80 to 89, C is from 70 to 79,
D is from 60 to 69 and below 59 is F.

For more information contact: varahan@ou.edu