

Lecture Series in Graph Algorithm

A. 13 March 2010: 1hour 30 minutes

1. Use graph techniques to solve problems in Computer Science, Introducing various interconnection networks
2. Embedding of graphs – Dilation, Wirelength and Congestion problems – Algorithms to solve these problems in specific networks

B. 13 March, 2010: 1 Hour 30 Minutes

1. Use graph techniques to solve problems in Computer Science, Introducing various interconnection networks
2. Embedding of graphs – Dilation, Wire length and Congestion problems – Algorithms to solve these problems in specific networks

C. 14 March, 2010: 1hour 30 minutes

1. Use graph techniques to solve problems in Computer Science, Introducing various interconnection networks
2. Embedding of graphs – Dilation, Wire length and Congestion problems – Algorithms to solve these problems in specific networks

D. 14 March, 2010: 1 hour 30 minutes

Broadcasting algorithms, Spanner problem

E. 15 March, 2010: 1 hour 30 minutes

1. Use graph techniques to solve problems in Computer Science, Introducing various interconnection networks
2. Embedding of graphs – Dilation, Wire length and Congestion problems – Algorithms to solve these problems in specific networks

F. 15 March, 2010: 1 hour 30 minutes

Open problems and future directions