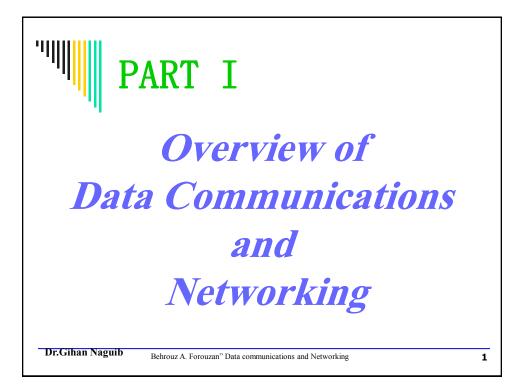
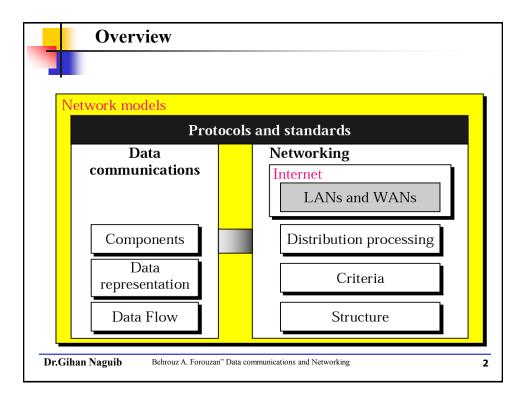
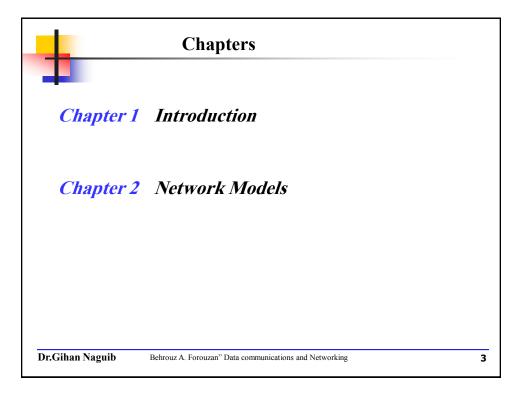
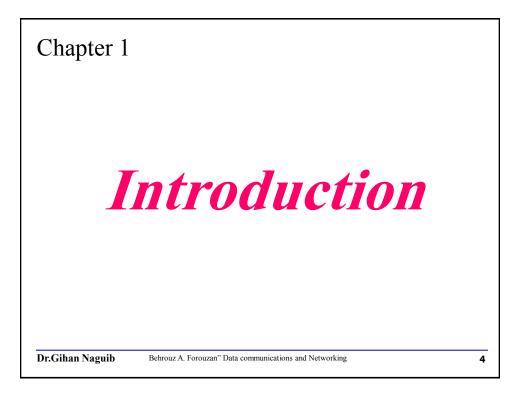
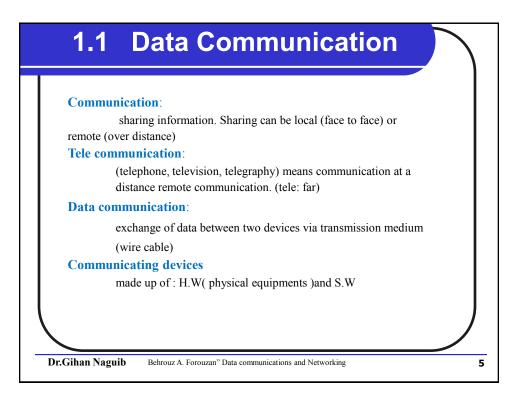
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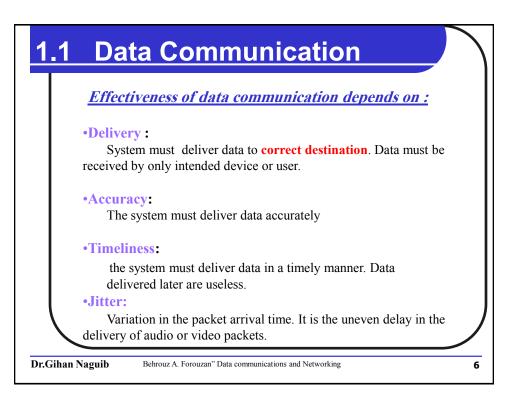


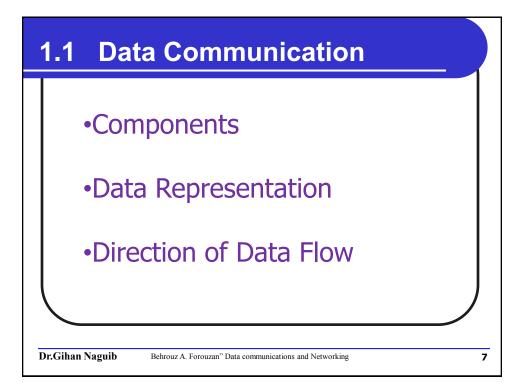


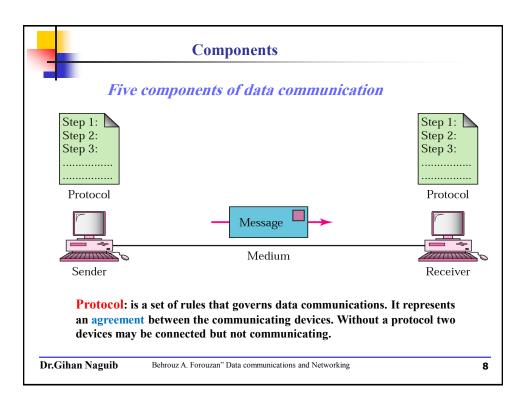


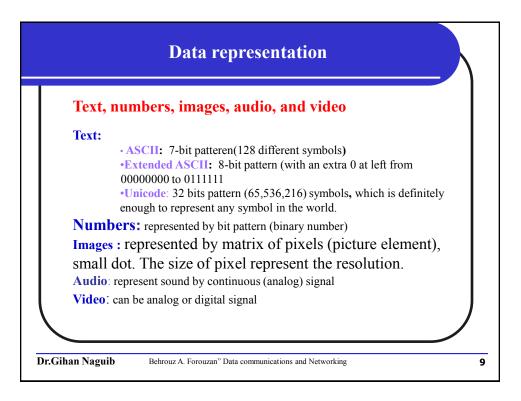


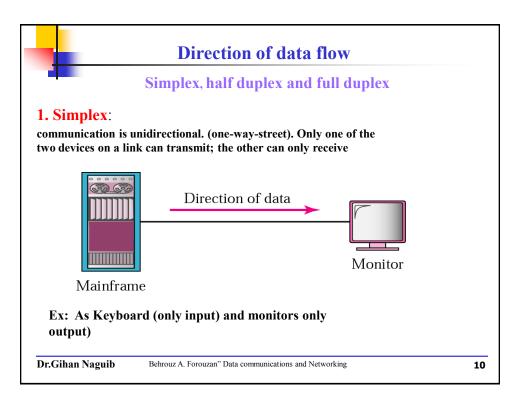


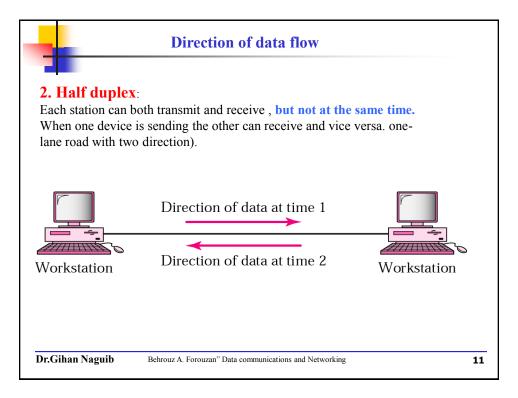


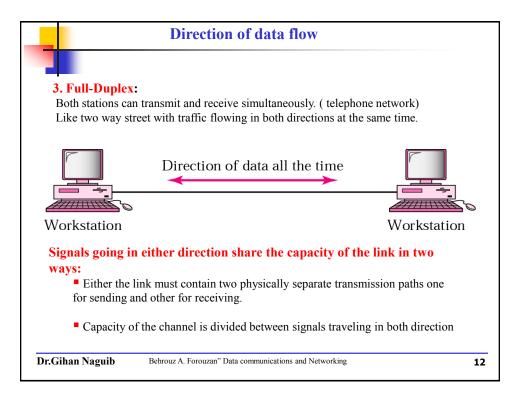












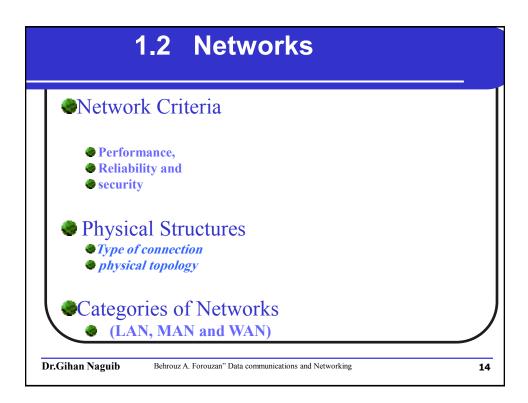
1.2 Networks

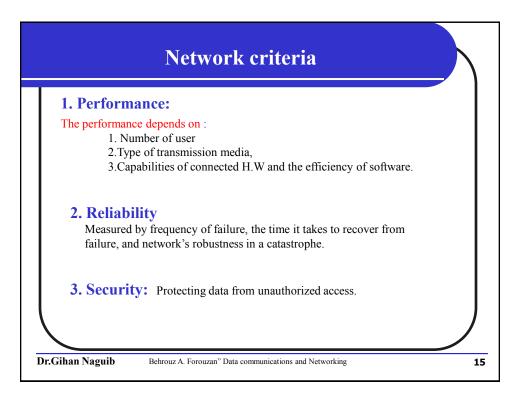
is a set of devices (often referred to as nodes) connected by communication links. A node can be a computer, printer, or any other device capable of sending and/or receiving data generated by other nodes on the network.

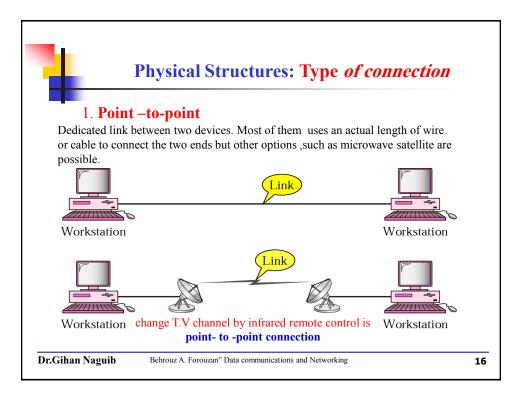
Dr.Gihan Naguib

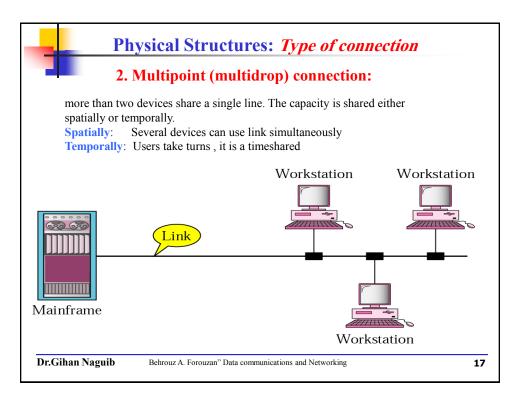
Behrouz A. Forouzan" Data communications and Networking

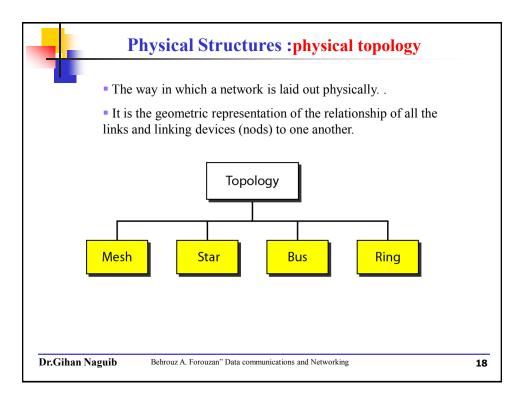
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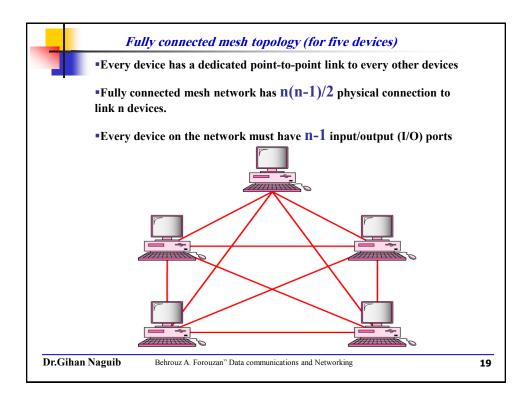


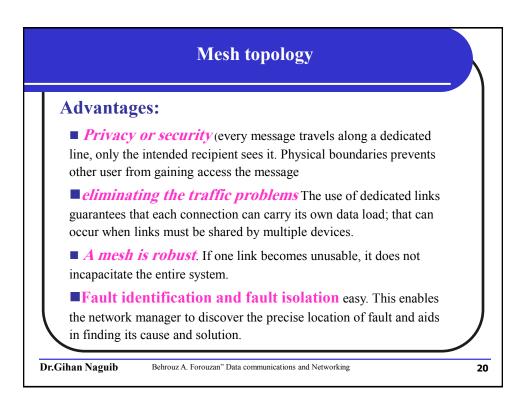


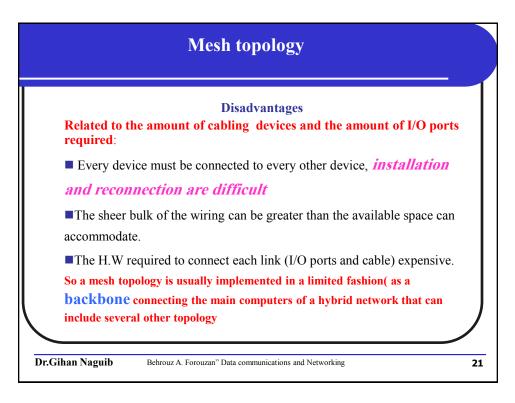


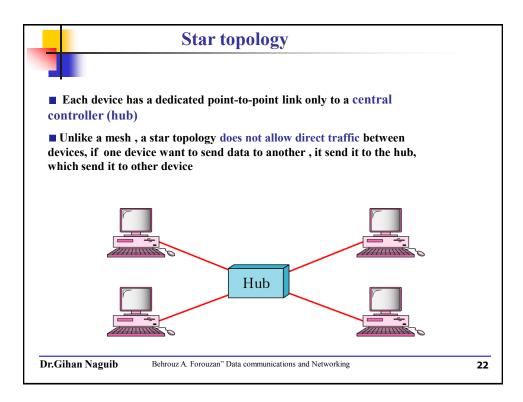


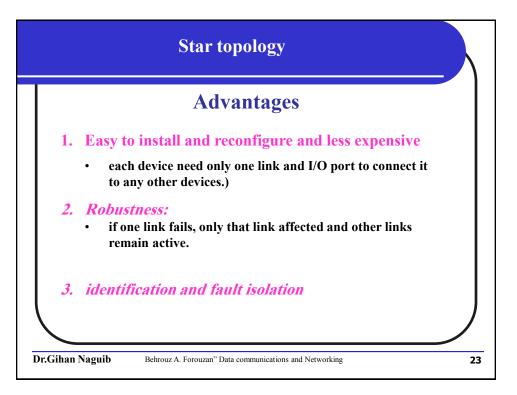


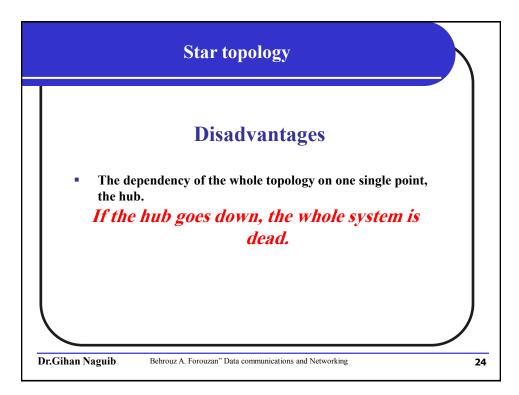


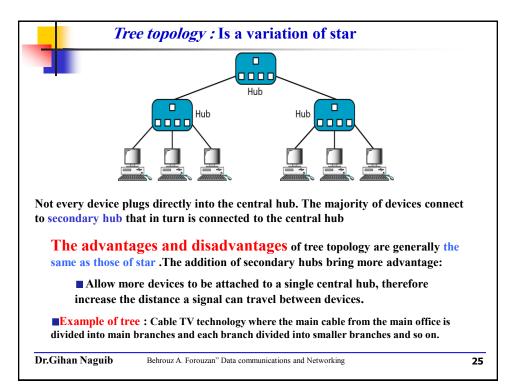


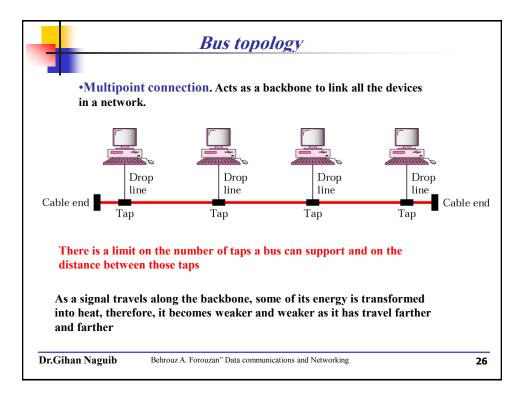


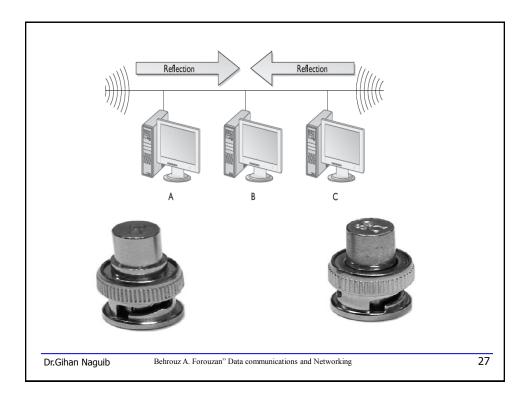


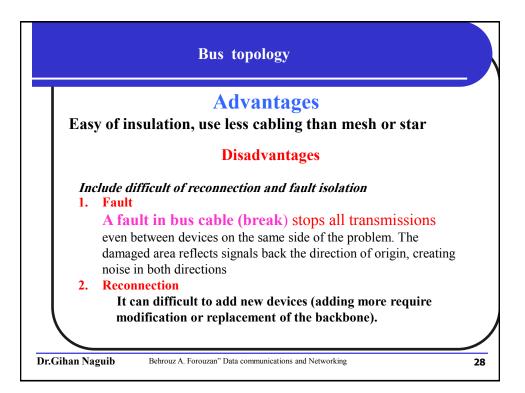


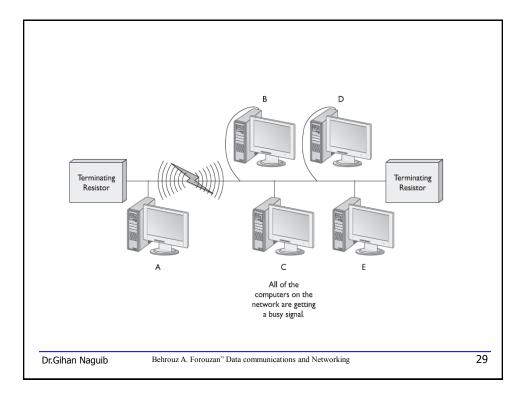


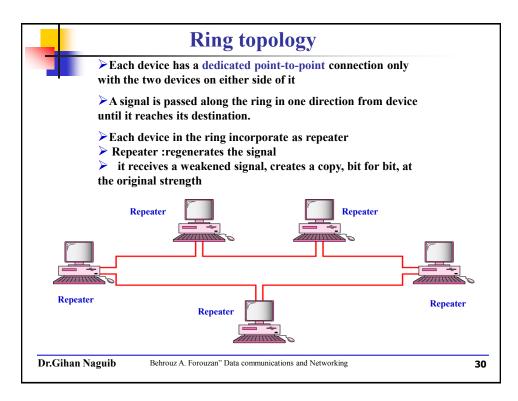


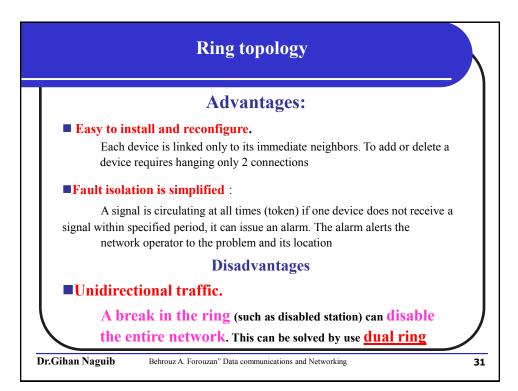


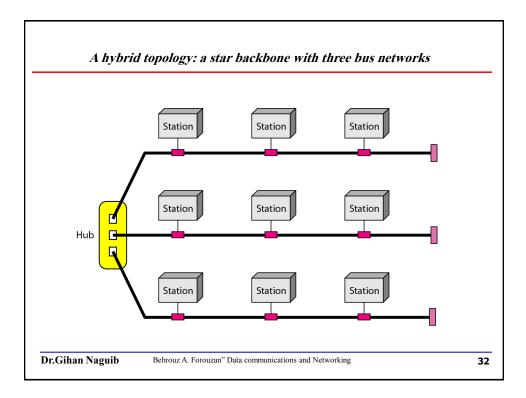


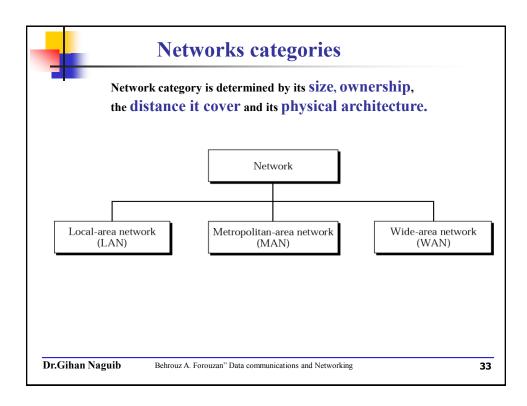


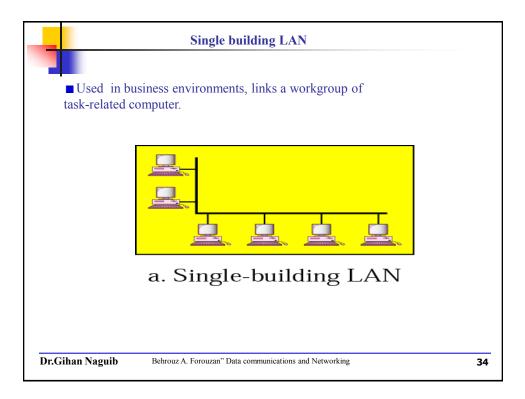


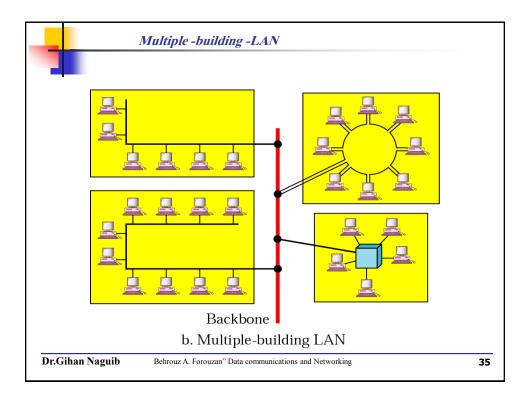












	LAN
•	Privately owned and links the devices in a single office, building or campus
•	LANs designed to allow resources to be shared between PCs or workstations. The resources may be H.W (e.g. printer) or S.W(applications program) or data.
•	In LANs one of the computers has a large capacity drive and becomes a server to other clients.
•	S/W stored on server and used as needed by the whole group.
•	LAN size determined by licensing restrictions(No of users per copy of S/W)
•	LAN use only one type of transmission medium.
	The most common LAN topologies are bus, ring and star.
	Traditionally LAN have data rates in the 4 to 16 Mbps. Today Speed can reach to 100Mbps or 1000MBps(1G).
Dr.Gih	An Naguib Behrouz A. Forouzan" Data communications and Networking 3

