

# Communication Management and Distributed Processing,

## Chapter 13

# Communication components

- ✿ network: a set of computers connected by communication links
- ✿ Intranet : local area networks (LAN), in the same administrative domain
- ✿ Internet: wide area networks (WAN), collection of interconnected networks across administrative domains
- ✿ System area networks (SAN): distributed systems
- ✿ Communication rules: protocols

# Circuit vs. Packet switching

- ✿ Circuit switching
  - ✿ example: telephony
  - ✿ resources are reserved and dedicated during the connection
- ✿ Packet switching
  - ✿ example: internet
  - ✿ entering data divided into packets
  - ✿ packets in network share resources
- ✿ Virtual circuit: cross between circuit switching and packet switching