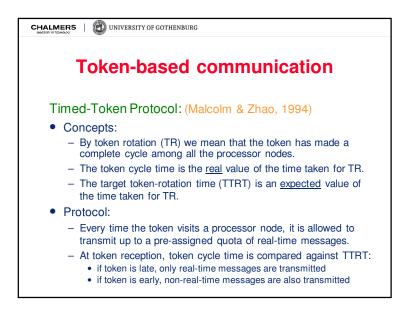
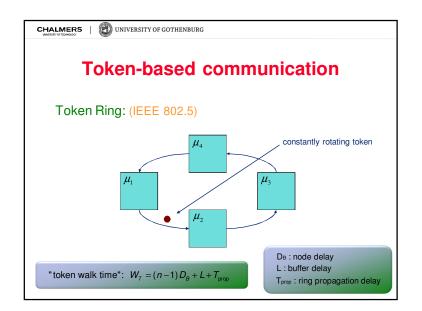
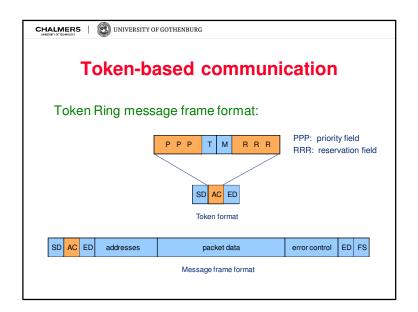
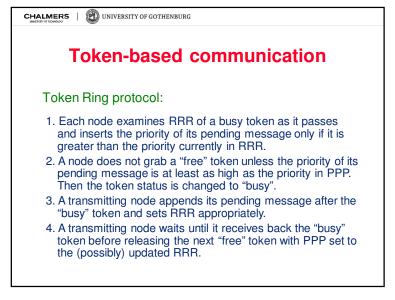


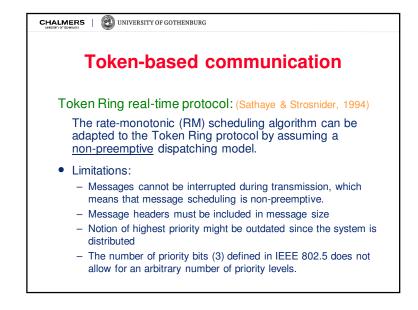
The accumulated transmission quotas should not exceed TTRT minus the overhead for token transmission time.

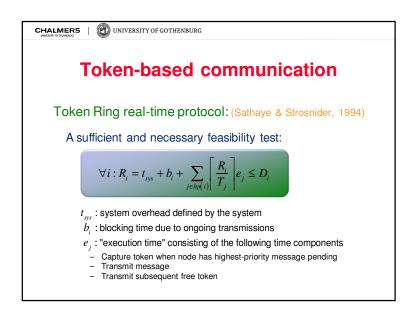


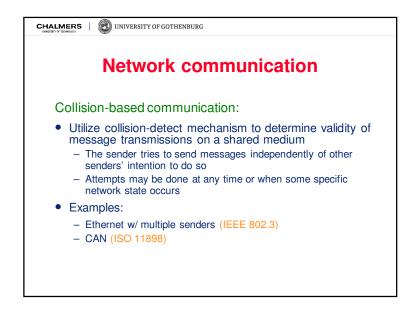


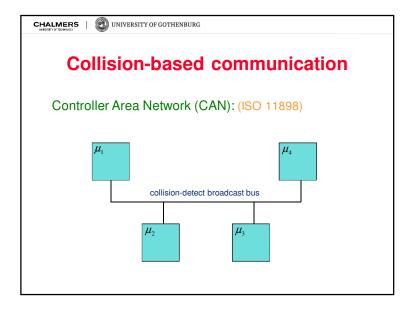












Collision-based communication Ethernet protocols w/ multiple senders: Senders attempt to send a complete message If messages collide, all transmissions are aborted After collision, re-transmission is made after a random delay Protocol extensions for real-time systems: VTCSMA (Zhao & Ramamritham, 1987) Window Protocol (Zhao, Stankovic & Ramamritham, 1990) Message queuing delay can in general not be bounded! Therefore, these protocols do not give any guarantees for meeting imposed message deadlines!

