



Communication Networks II

Contents

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Scope

KN III (Mobile Networking), Distributed Multimedia Systems (MM I and MM II), Telecooperation II,III.; Embedded Systems								
	Applications	Terminal access	File access	E-mail	Web	Peer-to-Peer	Inst.-Msg.	IP-Tel.
L5	Application Layer (Anwendung)							SIP & H.323
L4	Transport Layer (Transport)	Internet: UDP, TCP, SCTP			Netw. Transitions	Security	Addressing	Transport QoS - RTP
L3	Network Layer (Vermittlung)	Internet: IP						Network QoS
L2	Data Link Layer (Sicherung)	LAN, MAN High-Speed LAN						
L1	Physical Layer (Bitübertragung)	Queueing Theory & Network Calculus						
Introduction								
Legend:		KN I			KN II			

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Introduction and Overview

Transport Layer

- **Transport Layer (Generic)**
- **Transport Layer Protocols (UDP, TCP, SCTP)**

Application Layer

- **Application Layer (Generic)**
- **Online Services (Telnet, FTP, NFS, AFS)**
- **E-Mail**
- **Web**

Multimedia Communications / QoS

- **Multimedia Communications / QoS (Generic)**
- **Multimedia Protocols (RTP, RTCP) / Multimedia Protocols in Research**
- **IP Telephony (H.323, SIP), Instant Messaging**

Peer-to-Peer

- **Peer-to-Peer Networking / Peer-to-Peer in Research**

Security