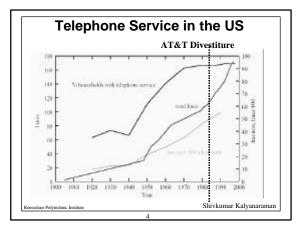
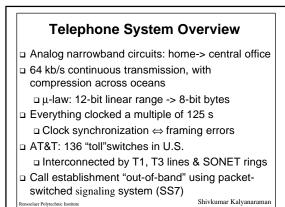
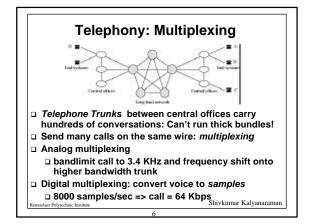


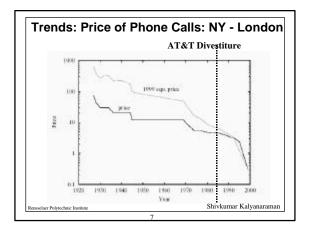
Public Telephony (PSTN) History

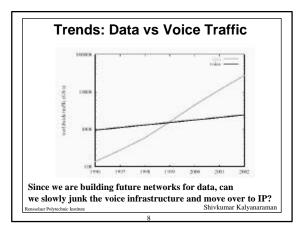
- □ 1876 invention of telephone
- □ 1915 first transcontinental telephone (NY–SF)
- □ 1920's first automatic switches
- □ 1956 TAT-1 transatlantic cable (35 lines)
- □ 1962 digital transmission (T1)
- □ 1965 1ESS analog switch
- □ 1974 Internet packet voice
- □ 1977 4ESS digital switch
- □ 1980s Signaling System #7 (out-of-band)
- 1990s Advanced Intelligent Network (AIN) Shivkumar Kalyanaraman

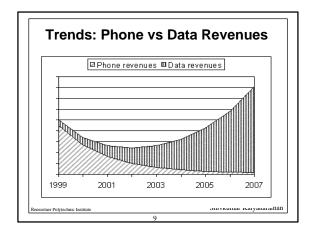


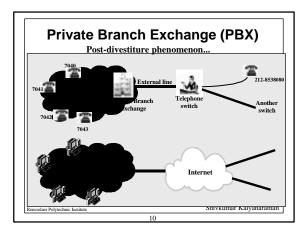


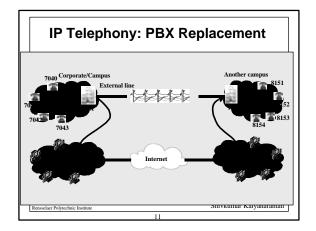


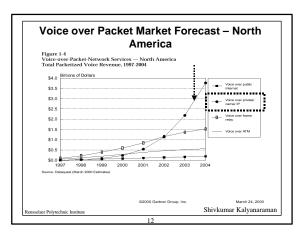


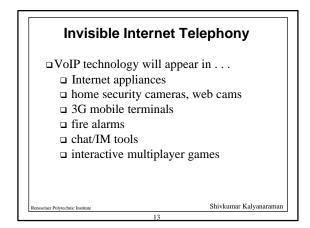


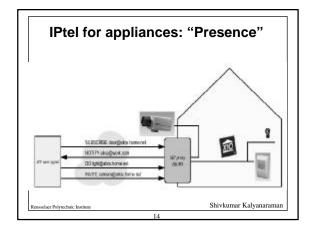


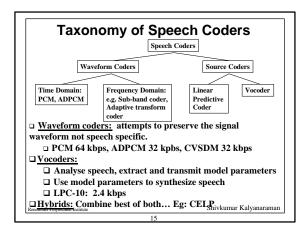


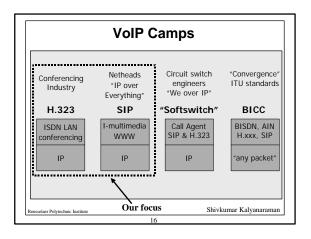


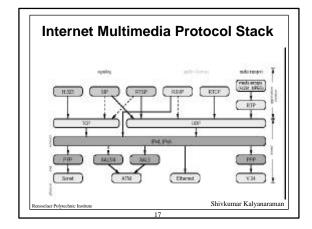


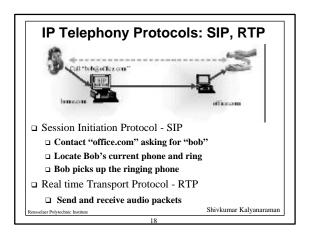


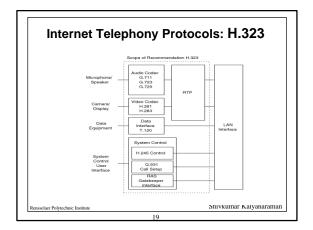


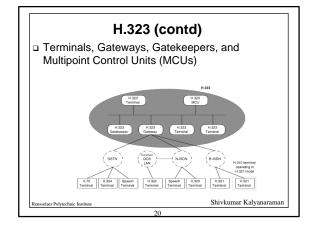


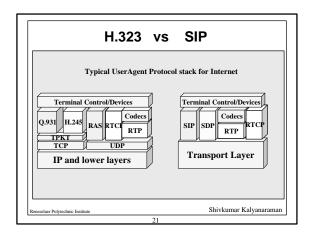


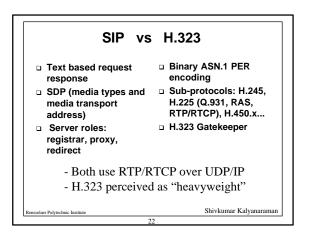


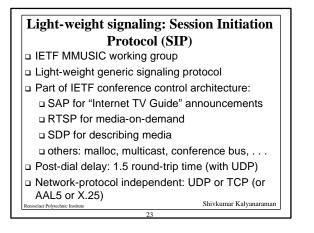


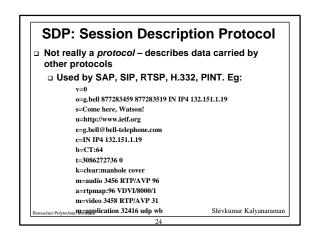


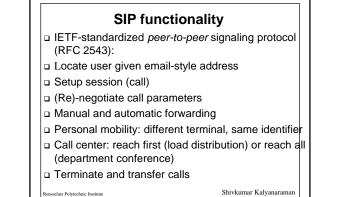


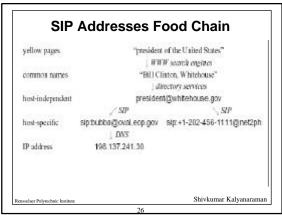


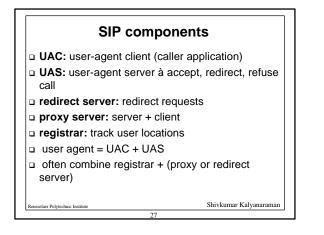


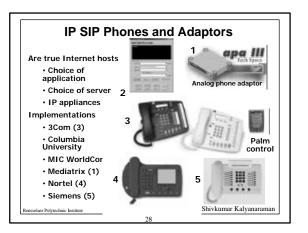


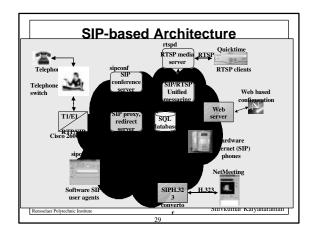


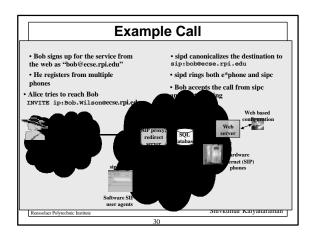


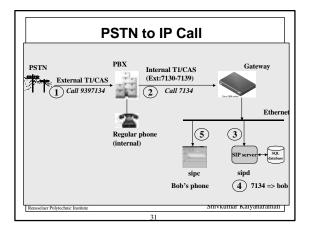


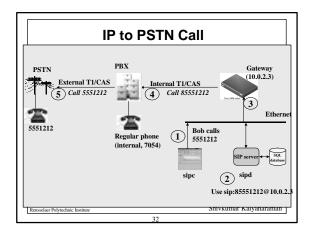


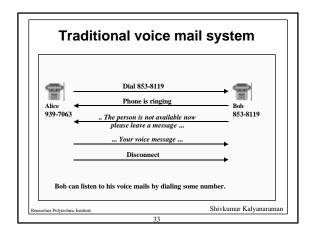


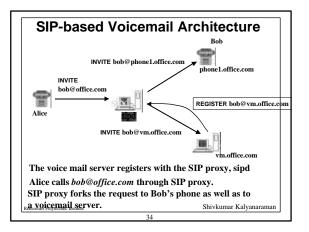


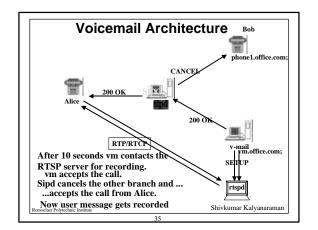


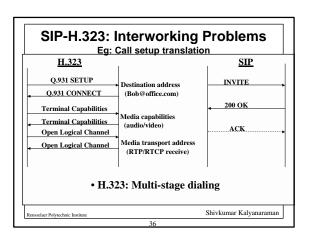












MGCP and Megaco

- □ Media Gateway Controller Protocol (RFC 2705)
- Controlling Telephony Gateways from external call control elements called media gateway controllers (MGC) or call agents
 - Gateways: Eg: RGW : physical interfaces between VoIP network and residences
 - □ Call control "intelligence" is outside the gateways and handled by external call control elements
- Goal: scalable gateways between IP telephony and PSTN
- Successor to MGCP: H.248/Megaco
 Shivkumar Kalyanaraman

