Lars Dittmann received a M.Sc. EE and Ph.D. from the Technical University of Denmark in 1988 and 1994, and is currently associate Professor at the University in the area of network and network node design. Since January 1999, he has headed the network competence area (covering both optical and electrical networks) in the Research Center COM at the Technical University of Denmark. He is currently the technical project manager for the IST DAVID project. sld@com.dtu.dk