



Nanyang Technological University

Network Technology Research Centre

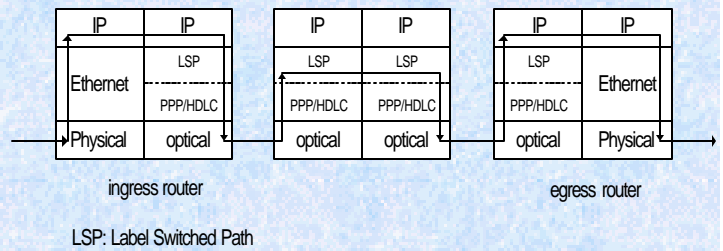
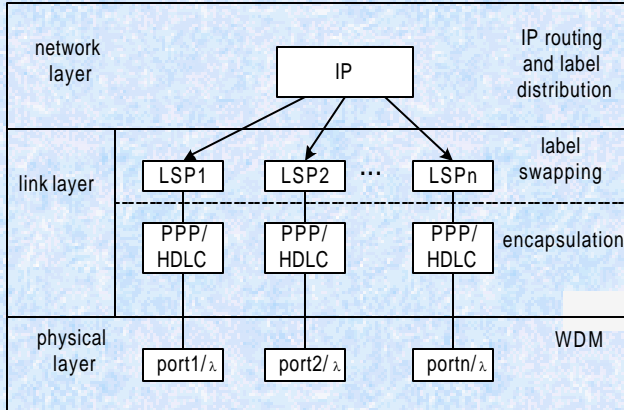


Area of technology

IP Traffic over WDM Networks

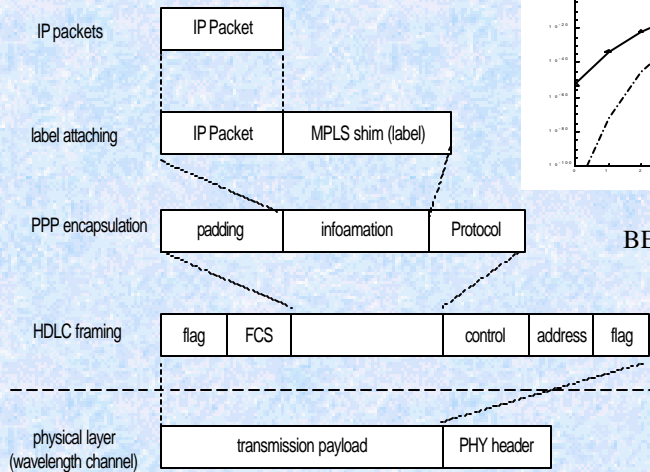
Innovative features:

- IPv6 directly over MWD network using MPLS
- MPLS switching architecture
- QoS guarantee
- Modelling and performance analysis with bursty background traffic



MPLS for IPv6 over WDM networks

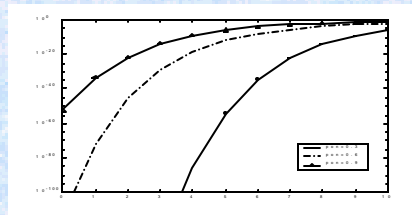
MPLS Modeling



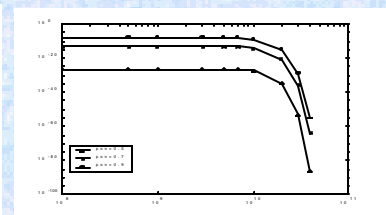
Encapsulation of IP packet over WDM

Application areas:

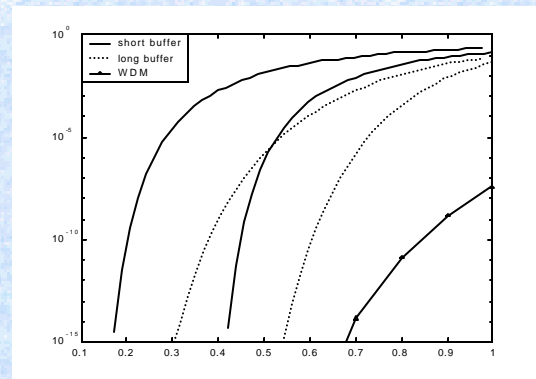
MPLS for IPv6 over WDM networks with QoS Guarantee



BER Vs. input light power



BER Vs. frequency spacing



Comparison of packet loss/error probability

Investigators: Assoc. Prof. Zhang LiRen, Phone: 7904508, Email: elzhang @ntu.edu.sg

Comparison of packet loss/error probability