



## **MS in Telecommunications**

Seminar Announcement

### **MPLS Based VPN**

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July 13, 2009 at 4:00pm  
Engineering Building, Room 3303

#### **Abstract:**

Multi Protocol label Switching (MPLS) is a core networking technology that operates between Layers 2 and 3 of the OSI model. Sometimes it is also referred to as a layer 2.5 technology. It is basically a framework for WAN.

MPLS is more highly evolved than its predecessors Frame relay and ATM in terms of providing solution for VPN, QOS, network convergence, security, traffic engineering etc. As a result, today MPLS is widely used in supporting applications like voice, video and data on the internet. Most service providers are migrating their backbone network from traditional Frame Relay and ATMs to MPLS. MPLS is a technology that is here to stay for a long time. This report describes the implementation of MPLS as VPN service: how it is implemented, maintained, pros and cons.