

Ring-Based Solutions for Next-Generation Metro Networks

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Tutorial Outline

The half-day tutorial will be broadly focused on three interrelated areas, with time for questions and answers.

Ring-based network topologies, evolution, and rationale

As an introduction, we will present general concepts associated with ring-topology based networks. We will then discuss how current options for ring-based technologies evolved.

Metro networks and requirements for next-generation metro networks

This section will provide comparisons of current next-generation metro network choices. We will examine the factors affecting changes in the MAN, as well as MAN technology requirements and objectives.

Overview of RPR technology

This section will examine how RPR stands-up to next-generation MAN requirements. We will provide a description of the key features and protocols. We will also cover the issues under debate in the IEEE standardization process.

Biography of Instructor

Raj Sharma (raj@luminousnetworks.com) works for Luminous Networks, Inc., as the Director of Strategic Technology. Raj has over 20 years of experience in developing products for emerging networking technologies, implementing TCP and IP routing protocols, and designing networking ASICs for products at Schlumberger Technologies, Apple, National Semiconductor, Sun, and 3Com. He is an active contributor to IEEE and IETF standards.