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Motoyuki Ii, Senior Executive Vice President, Senior Executive Manager of Corporate Sales Promotion Headquarters, NTT EAST

▼Overview

NTT EAST is boldly shifting its management resources to expand its scope of business based on a locally focused organizational system. The number of contracts for the optical access service involving the Hikari Collaboration Model topped 4 million in August 2016, and NTT EAST is aggressively pursuing initiatives for revitalizing regional economies under the banner of *new business creation*. We asked Senior Executive Vice President Motoyuki Ii to tell us about this major change in the corporate mindset and the actual efforts underway to make this change a reality.



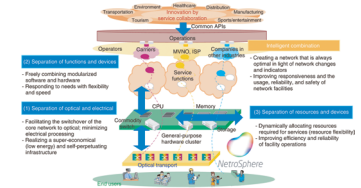
Feature Articles

Initiatives for the Widespread Adoption of NetroSphere

Accelerating the Demonstration and Adoption of NetroSphere

▼Abstract

The NTT Group aims to accelerate the transformation to a business-to-business-to-X (B2B2X) business model in response to changes in the telecommunication market. NetroSphere is the concept of a flexible and robust network that can cope with diverse and uncertain demand in the B2B2X model. The Feature Articles in this issue introduce the development of the network architecture and network systems technology that advance the materialization of the NetroSphere concept. It also touches on NetroSpherePIT and the global rollout to carriers and vendors as a collaborative program for accelerating the implementation of this concept.

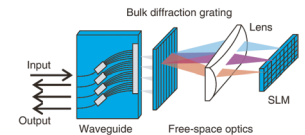


Regular Articles

Spatial and Planar Optical Circuit (SPOC) Technology and Its Application to Photonic Network Devices

▼Abstract

Because photonic networks have evolved from point-to-point systems to ring or mesh networks, higher scalability is required in the devices used in optical nodes. Hybridization of waveguide and free-space optics or spatial and planar optical circuits (SPOCs) may provide the necessary solutions to meet this requirement. A SPOC platform is attractive because it can take advantage of both waveguide technology and free-space optics. Waveguide technology provides a high degree of integration of optical functionality for such devices as splitters and non-wavelength selective switches, while free-space optics supplies a high degree of parallelism with two-dimensional spatial light modulators such as liquid crystal on silicon (LCOS) devices. In this article, we summarize the basics of SPOC technology and review its application to reconfigurable optical add/drop multiplexing (ROADM) devices.



Ethernet Private Line System with World's Highest Quality (Bandwidth Guarantee, High Availability, and Low Delay)

▼Abstract

Virtual private networks and broadband Ethernet are increasingly being used as corporate wide area networks. Consequently, demand is growing for higher availability and lower delay in addition to the bandwidth guarantee and carrier-grade maintainability and operability of conventional digital private line systems. We describe here an Ethernet private line system that achieves the world's highest level of quality to meet that demand.

