Properties of Planar Lightwave Circuit (PLC) Devices Fabricated by Silica and Polymers

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Time: 10:30 a.m. – 12:00 noon
Location: HSH Engineering Building, Room 418
Speaker: Dr. Tohru Maruno, Executive Manager, Hyper-photonic Component Laboratory, NTT Photonics Laboratories, Atsugi, Kanagawa, Japan

Abstract:
Recently, photonic networks based on wavelength division multiplexing (WDM) systems have developed considerably in response to the explosive growth of the Internet. Devices with novel functions are required for photonic networks, and planar lightwave circuits (PLCs) are being considered to meet this need. This presentation reports recent progress on PLC-type devices with advanced functions developed for the photonic networks. We describe fabrication techniques and device applications for silica and polymer based PLC technologies.

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