

## GMPLS-controlled All-optical Mesh Networking Demonstration using Path Computation-capable NMS

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### Abstract

*A GMPLS-controlled all-optical mesh networking was successfully demonstrated using a path computation-capable network management system (NMS). The developed NMS can manage topology and physical impairments, and create GMPLS-based lightpaths according to path computation results.*

### Extended Abstract

To be provided



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### CV

He received the M.E. and Ph.D. degrees in electronics engineering from Tohoku University, Miyagi, Japan, in 1997 and 2006 respectively. Since 1998, he has been working at KDDI R&D Laboratories Inc., Saitama, Japan and has been engaged in research on long-haul wavelength-division multiplexing (WDM) transmission systems and designing and modeling of photonic networks.