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Altri autori (Persone)	DixitSudhir
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Nota di contenuto	IP over WDM; Contents; List of Figures; List of Tables; About the Author; Preface; Acknowledgements; 1 Introduction; 1.1 What is a WDM-enabled Optical Network; 1.1.1 TDM vs. WDM; 1.1.2 WDM Optical Network Evolution; 1.2 Why IP over WDM; 1.3 What is IP over WDM; 1.4 Next-generation Internet; 1.5 IP/WDM Standardisation; 1.6 Summary and Subject Overview; 2 Review; 2.1 Telecommunication Networks; 2.2 Optical Communications; 2.2.1 Optical Communication Impairments; 2.2.2 Optical Switching; 2.2.3 Opaque vs. Transparent Switching; 2.3 WDM Network Testbed and Product Comparison 2.3.1 WDM Network Testbeds2.3.2 Product Comparison; 2.4 Communication Protocols; 2.5 Internet Architecture; 2.6 IPv4

Sommario/riassunto	This is the first book to focus on IP over WDM optical networks. It not only summarizes the fundamental mechanisms and the recent development and deployment of WDM optical networks but it also details both the network and the software architectures needed to implement WDM enabled optical networks designed to transport IP traffic.The next generation network employing IP over optical networks is quickly emerging not only in the backbone but also in metro and access networks. Fiber optics revolutionizes the telecom and networking industry by offering enormous network capacity to sustain the n