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Sommario/riassunto	With the advent of wavelength routing and dynamic, reconfigurable optical networks, new demands are being made in the design and operation of optical amplifiers. This book provides, for the first time, a comprehensive review of optical amplifier technology in the context of these recent advances in the field. It demonstrates how to manage the trade-offs between amplifier design, network architecture and system management and operation.The book provides an overview of optical amplifiers and reconfigurable networks before examining in greater detail the issues of importance to network op