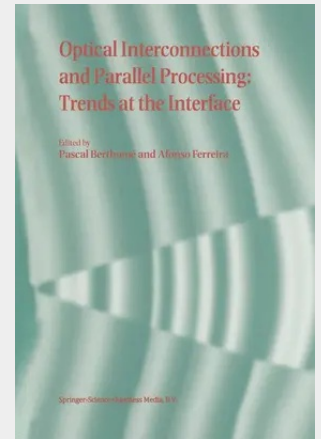


Optical Interconnections and Parallel Processing

Trends at the Interface

Optical media are now widely used in the telecommunication networks, and the evolution of optical and optoelectronic technologies tends to show that their wide range of techniques could be successfully introduced in shorter-distance interconnection systems. This book bridges the existing gap between research in optical interconnects and research in high-performance computing and communication systems, of which parallel processing is just an example. It also provides a more comprehensive understanding of the advantages and limitations of optics as applied to high-speed communications. The book will be a vital resource for researchers and graduate students of optical interconnects, computer architectures and high-performance computing and communication systems who wish to understand the trends in the newest technologies, models and communication issues in the field.

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