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this book is volume iii of a series of books on silicon photonics it reports on the development of fully integrated systems where many different photonics component are integrated together to build complex circuits this is the demonstration of the fully potentiality of silicon photonics it contains a number of chapters written by engineers and scientists of the main companies research centers and universities active in the field it can be of use for all those persons interested to know the potentialities and the recent applications of silicon photonics both in microelectronics telecommunication and consumer electronics market

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