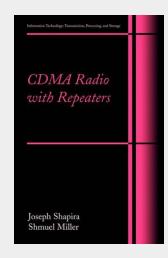
## **CDMA Radio with Repeaters**

Cellular Communications is about Service, Technology and Economy. Public awareness and safety is considered the fourth dimension in the equation, that rolls back to impact all of the other three. Mobile communications has become an indispensable element of modem lifestyle. The 3G cellular systems focus on high data-rate multimedia services and a host of respective applications, mostly leisure-time oriented. At the other extreme, mobile communications is a most effective driving force in boosting the economy of developing communities. These two processes may share technology momentum and the economy of scale, but their substantial differences have to be recognized, at the time when the momentum of cellular deployment moves in that direction. The introduction of mobile wireless services to developing communities is challenged by the cost of infrastructure, operations and user terminals of the advanced networks, and the mixture of older generation systems to coexist with the new deployments. Affordability considerations and priority of services inspire innovative architectural and optimization solutions to the infrastructure, choice of applications and user terminals.

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