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Abstract

With the increase in the technology of networks and the internet, the need of the users also increases. The requirement of high bandwidth, high data transmission rate etc increases. To fulfill this need the concept of fiber optic was developed. Fiber optic communication is optical communication which is the combination of two communication methodologies and can be used for both wired and wireless communication systems. This form of communication is used by the users from many years but still it requires some advancements and developments to make it more refine. The conventional systems designed for RoF technology comprises of various drawbacks such as limited number of users, unwanted frequencies in the signals and quality of the system. This paper provides a brief to the concept of fiber communication and various modulation schemes along with this the developments that had been done in this work are also define in related work section.

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Keywords

Radio Over Fiber, Optical Communication, Modulation, Bandwidth