Abstract

The world as on date revolutionized by the use of internet, the number of devices accessing the internet is growing by second. Most of the devices use wireless communication for this; now this has unfortunately led to an increase in network complexity, shortage of wireless radio bandwidth and an increased risk of interference of radio frequencies. Moreover speed and security of the internet are major issues. Present paper reflects the Future of Wireless Communication (LI-FI) which may affect all lives. LiFi (Light-Fidelity) is designed to use LED light bulbs as the mode of communication which is used equally to light up the places as energy saver lighting. Speed, security, reliability is also maintained. It is a technology more powerful to the same idea as on infrared remote controls. Experimentally LiFi gives a speed of 500MBPS. The visible light is the future of data communication.

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Index Terms

Computer Science Wireless

Keywords

Wireless-Fidelity (Wi-Fi) Light-Fidelity (Li-Fi) Light Emitting Diode (LED) Photo Diode.