Li-Fi: An Expedition through Radiance- A Review

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Abstract

Li-Fi stands for Light- Fidelity. Li-Fi is a wireless communication system which uses light as a carrier instead of radio frequencies which is used in Wi-Fi. Both the Li-Fi and Wi-Fi works on electromagnetic spectrum for the transfer of the data. Many Investigators have been currently working on Li-Fi technology for its promising features like security and speed has made this expertise a flourishing over Wi-Fi. Light-emitting diodes are used for the visible light transmission. It offers many advantages like working across higher bandwidth as well as higher transmission speed. LED devices are used only for radiance purpose by applying constant current. In this paper, an attempt is made to transmit a real time information using Li-Fi technology.

References


Index Terms

Computer Science       Wireless
Keywords

Wi-Fi, Li-Fi, light emitting diode, solar cell