Abstract

Li-Fi or Light- Fidelity is a technology that uses light as the transmission medium usually known as visible light communication (VLC). This paper proposes a survey on Li-Fi Technology. The Li-fi technology was invented by Professor Harald Hass of University of Edinburgh. It is supposedly capable of 1 Gbps speed that's much faster than the average Wi-Fi speed that most of us have today. With such high throughput, it would be possible to download
content such as movies in a fraction of the time it takes now. Li-Fi refers to 5G Visible Light Communication systems using light-emitting diodes as a medium to high-speed communication in a similar manner as Wi-Fi. [13] In this paper, the comparison is made between Wi-Fi and Li-Fi technology. The invention of Prof. Hass the D-light is nothing but to produce data rates higher than 10 megabits per second, this rate faster than the average broadband connection.

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**Index Terms**

- Computer Science
- Networks

**Keywords**

- Li-fi
- Wi-fi
- Vlc
- Led