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.

References

- Rahul R. Sharma, Raunak, Akshay Sanganal "Li-Fi Technology Transmission of data through light" International Journal of Computer Technology & Applications, Volume 5 (1), February 2014
- Shubham Chatterjee, Shalabh Agarwal, Asoke Nath "Scope and Challenges in Light Fidelity (LiFi) Technology in Wireless Data Communication"; International Journal of Innovative Research in Advanced Engineering (IJIRAE) ISSN: 2349-2163 Issue 6, Volume 2 (June 2015)
- Jyoti Rani, Prerna Chauhan, Ritika Tripathi "Li-Fi (Light Fidelity)-The future technology In Wireless communication"; International Journal of Applied Engineering Research, Volume 7, No. 11, 2012
- http://www. slideshare. net/tapeshchalisgaonkar1/gi-fi-technology-finl-ppt
- Photo-and Graphophones http://www. fi. edu
Susmit Paul Mobile Computing: Bluetooth, CACCS-13

Index Terms

Computer Science Networks

Keywords

Li-fi Wi-fi Vlc Led