Abstract

We all experience the need for fast uninterrupted browsing wherever we go. Be it malls, cafes, our offices, etc. However as the number users on the line increases, we are not able to achieve the required data rates as we are sharing the same bandwidth with others. A German physicist named Harald Haas has come up with an interesting solution to this problem by using the previously ignored visible spectrum of light for data transmission instead of using radiowaves. This solution or rather this technique is called as Li-Fi. Li-Fi is a new paradigm for enhancing wireless communication speeds. The principle of operation of Li-Fi, its advantages over the currently existing Wi-Fi technology, its basic functioning its applications and further scope for its development has been discussed in the following paper.
References

- The wikipedia.com
- Li-Fi.com - How Li-Fi works

Index Terms

Computer Science
Communications

Keywords

Light Fidelity  Herald Hass  Wireless Communication  High Security