



A LIFI BASED DATA TRANSMISSION FOR ANTI COLLISION SYSTEM

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Abstract- A new way of data transmission between two vehicles using light fidelity technology is proposed in this paper. A best way of avoiding accidents can be achieved by the communication between the vehicles. This system can be simplified by using LED bulbs for data transmission. The previously used data transmission technology can be overcome by the newly proposed LIFI technology. The major objective of this system is to achieve reliable communication between the vehicle using a transmitter and a receiver. The communication methods and the operations are presented in detail.

Index terms: Light fidelity, Light emitting diode, wireless communication, and visible light communication