

# Indoor Visible Light Communication Without Line Of Sight

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 An Indoor Visible Light Communication Positioning System ...  
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 Abstract Visible light communication (VLC) using indoor LED lighting generally assumes the existence of line of sight link in addition to multipath, delayed, lower power reflections. In this paper, we investigate the possibility to establish VLC links in shadowed areas, i.e., where the line of sight is blocked or unavailable. Indoor visible light communication without line of sight ... Indoor visible light communication without line of sight: investigation and performance analysis Article (PDF Available) in Photonic Network Communication 30(2) · May 2015 with 266 Reads (PDF) Indoor visible light communication without line of ... Indoor Visible Light Communication Without Abstract Visible light communication (VLC) using indoor LED lighting generally

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Abstract Visible light communication (VLC) using indoor LED

lighting generally assumes the existence of line of sight link in addition to multipath, delayed, lower power reflections. In this paper, we investigate the possibility to establish VLC links in shadowed areas, i.e., where the line of sight is blocked or unavailable.

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All of the high priority applications require reliable reachability with extremely low latency. Due to the extremely low allowable latency in the vehicle safety communication, a high speed visible light communication system like Li-Fi can be used as shown in Fig. 4.

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