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Visible Light Communication and Positioning

Guest Editor:

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Deadline for manuscript submissions:
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Message from the Guest Editor

Visible light communication (VLC) is an emerging area, and is extensively attracting interest from both academia and industrial fields. The potential large transmission bandwidth makes it a good candidate for future 5G/6G indoor communication networks. Due to the electromagnetic silence and limited transmission bandwidth characteristics, it is competitive for certain special applications. Moreover, due to the limited transmission and interference range, visible light media can be adopted for high-accuracy indoor positioning. Thanks to the recent developments of light emitting diodes (LEDs) and photoelectric conversion devices, low-cost communication system can foresee the wide deployment in daily use. Despite the abovementioned potential and recent great progress, there are still a number of open research issues that remain to be solved.

As one of the interdisciplinary technologies, VLC will cover optical antenna design, physical-layer transmission aspects, MAC and network layer protocols, as well as system integration and miniaturization.

Welcome to contribute.

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Message from the Editor-in-Chief

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