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Image Sensors and Optical Communication: Novel Technologies and Applications

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Deadline for manuscript submissions:

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Message from the Guest Editors

Thanks to the pervasive deployment of image sensors and LED lighting infrastructure, image-sensor-based communication, also known as optical camera communication (OCC), has attracted significant attention in recent years. Contrary to conventional optical wireless communication, image-sensor-based optical communication has inherent advantages, such as easy integration into existing embedded devices. Image-sensor-based communication also has wide applications such as in data communication, indoor localization, and sensing.

This Special Issue hence aims to highlight and assemble research and/or review articles on an image-sensor-based communication system, as well as its novel applications.

The potential topics include (but are not limited to) the following:

Optical camera communication;

Screen-camera communication;

Novel modulation techniques for OCC;

Integrated sensing and communication with image sensors;

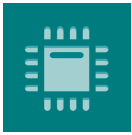
Vehicle-to-vehicle or Vehicle-to-infrastructure communication with image sensors;

Indoor localization with OCC;



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Special Issue



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