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Recent Advances in CMOS Image Sensor

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Message from the Guest Editor

Dear Colleagues,

The CMOS image sensor has evolved from an image acquisition device to having sensing capabilities. Continuous innovations have seen advancements and improvements in areas including pixel size, read noise, readout speed, efficiency, time resolution, power consumption, and stacking structure. These enable various kinds of applications, such as high-dynamic-range, time-of-flight, single-photon counting, augmented reality/virtual reality, biomedical imaging, and many others. CMOS image sensors exist in a diverse variety of products in our everyday life, from consumer electronics such as mobile phones and digital cameras to automotive, security, medical, and others. These are expected to continuously grow with advanced performance and new functionalities. This Special Issue aims at highlighting the recent developments in CMOS image sensor technology and applications.

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Special Issue



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Message from the Editor-in-Chief

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