Special Issue

Advance and Applications of RGB Sensors

Message from the Guest Editor

A single-chip color image sensor, typically an RGB sensor, is an essential component of sensing system and computer vision applications. The key to using the single-chip sensor is an associated color imaging process pipeline such as color demosaicking, denoising, color correction, etc. In this Special Issue, a wide range of topics are covered, including color demosaicking, denoising, color correction, color filter array design, multispectral color filter array, the design of the spectral sensitivity function, and high-dynamic range imaging. Keywords:

- Color demosaicking
- Color correction
- Denoising
- Multispectral filter array (MSFA)
- Noise analysis method
- Design of spectral sensitivity function
- High-dynamic range imaging

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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