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Recent Trends and Advances in Color and Spectral Sensors

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Message from the Guest Editors

Color and spectral sensors are the key technology for color acquisition and reproduction in different applications, such as image visualization, cultural heritage, color recognition and inspection, medical diagnosis, remote sensing, and so on. Color Acquisition and reproduction issues are not comprehensively investigated and are challenging problems in developing a general color accuracy sensing system. Furthermore, test benchmark design, experimental guidelines, visual perception and numerical analysis models for evaluating the performance of color and spectral sensors is also key to implementing accurate material-aware color. At the same time, new areas in the study of applied color and spectral sensors have emerged in just the past decade, examining the new advances in cameras, such as displays, smart-phone, VR, AR, MR and smart lighting.

Topics of interest include, but are not limited to:

- color sensors
- spectral sensors
- imaging spectroscopy
- spectral recovery
- color perception
- color appearance model

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Message from the Editor-in-Chief

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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