



Recent Trends and Advances in Color and Spectral Sensors

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Deadline for manuscript
submissions:

closed (1 May 2024)

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





sensors



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Message from the Editor-in-Chief

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