



Imaging Technologies for Understanding Material Appearance

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Message from the Guest Editors

Material appearance information is a signature of quality and a criterion of object choice. Terms such as glossiness, mattness, transparency, and roughness are commonly used as the perceptual attributes of material appearance. This information not only helps us appreciate the beauty in life but also guides us to determine the value of its worth.

Furthermore, studying image information helps us to solve complex problems surpassing conventional image processing, analysis, and rendering. Material appearance study is interesting, as every object around us has a unique appearance of materials, whether natural or artificial. Therefore, the potential of material appearance study is unlimited. One example of material appearance research is studying how different types of objects interact with light and how their appearance changes under different lighting conditions.

Today, material appearance research can be applied to design, engineering, psychology, physiology, medicine, rehabilitation, and many more.

This Special Issue aims to present the latest imaging technologies developed to understand material appearance and solve its many associated problems.





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Message from the Editor-in-Chief

The imaging term, specific with journal, is to be considered in its broadest sense. Image processing, image understanding and computer vision are all terms related to imaging acquisition, its processing and the extraction of relevant information from the scene to obtain the underlying knowledge. All tasks related to the above items are oriented toward specific applications in a broad range of areas and topics. The *Journal of Imaging* is conceived as an efficient vehicle in the scientific community for the communication and transmission of the progress and research results in the topics covered.

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