Digital Image Processing and Analysis: Human and Computer Vision Applications

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Message from the Guest Editor

In the field of computer science, digital image processing and analysis has developed rapidly, especially during the last three decades, and has a wide variety of applications, ranging from medicine, astronomy, microscopy and defense to biology, industry, robotics and remote sensing. Nowadays, one of the most prominent fields that adopts and benefits from digital image processing and analysis is computer vision.

Computer vision covers methods and algorithms which mimic the behavior of human vision. It attempts to extract useful and meaningful information from images and video, which can afterwards be used to draw conclusions about the natural scene and, perhaps, decide on action to be taken.

Digital image processing and analysis are utilized at various stages in computer vision algorithms and it is therefore crucial to develop and implement efficient image processing and analysis algorithms.

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Special Issue

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Message from the Editor-in-Chief

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