Deep Learning for Visual Contents Processing and Analysis

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Message from the Guest Editors

Dear Colleagues,

Nowadays, many visualization and imaging systems generate complex visual contents with a large amount of data, making the data extremely difficult to handle. This growing mass of data requires new strategies for data analysis and interpretation. In recent years, particular attention has been paid to deep learning methods for visual contents analysis and applications. Inspired by artificial intelligence, mathematics, biology and other fields, these methods can find relationships between different categories of complex data and provide a set of tools for analyzing and handling visual contents.

This Special Issue will provide a forum to publish original research papers covering state-of-the-art, new algorithms, methodologies, applications, theories and implementations of deep learning methods for visual contents, such as image, video, stereoscopic images, 3D meshes, points clouds, visual graphs, etc.

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Special Issue

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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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