Special Issue

Data Stream Mining for Image Analysis Applications

Message from the Guest Editor

This Special Issue aims at advancing image analysis applications through the adoption of new and existing data stream mining methods. Both research articles and comprehensive reviews are welcome. Topics of interest in image analysis include (but are not limited to):

- Concept drift detection in deep neural networks.
- Adapting to concept drifts in deep neural networks.
- Applications of stream mining in medicine, geology, biology, earth science, and others.
- Real-time out-of-distribution detection in deep neural networks.
- Training deep neural networks on streaming data.
- Fast inference in deep neural networks for streaming data.
- Integration of online and offline learning for streaming data.
- Novel streaming methods tailored to image analysis.
- Adoption of existing streaming methods for image analysis.
- Human-in-the-loop methods for streaming image analysis.
- Explainable AI methods for streaming image analysis.

Guest Editor

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About the Journal

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.

Editor-in-Chief

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