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Recent Trends in Explainable Artificial Intelligence (XAI) for Computer Vision

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Message from the Guest Editors

Dear Colleagues,

Explainable artificial intelligence (XAI) refers to a set of algorithms, processes and methods that enable human users to understand and appropriately trust the predictive results or outputs evaluated via machine learning algorithms. Explainable AI has been found to solve complex black-box problems to interpret the system processes, and helps to rectify the bugs. XAI is used to envision the concept of why a system has generated the wrong results or identify the major reasons for incorrect predictions. Deep neural networks (DNNs) are associated with multimodal data analytics in computer vision, and offer the best solutions in various domains such as facial cues detection, biometrics, healthcare, manufacturing, smart homes, smart agriculture, and cloud computing, to name a few. This Special Issue on explainable AI aims to publish papers addressing various current research areas, such as semantic segmentation, object detection, tracking, reconstruction, synthesis, prediction, perception, and classification.

You are welcome to contribute!!!

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Message from the Editor-in-Chief

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