

## Special Issue

# Computer-Aided Image Processing and Analysis

### Message from the Guest Editor

The last decade has witnessed the remarkable progress of computer-aided image processing and analysis technology. Recently, deep learning has yielded a qualitative leap in this field. However, increasing attention has been paid to the potential drawbacks of the deep learning architecture, e.g., the high cost of the computability and data. Moreover, it is difficult to analytically explain the super-performance of deep learning that works like a “black box”. It is now the time to reconsider the future development of image processing and analysis.

Recently, explainable models have attracted increasing attention. For example, explainable networks, bio-inspired models, and have demonstrated promising performance in many areas, which indicates a potential direction for future research efforts. Therefore, this Special Issue is intended for the presentation of new ideas and experimental results in the field of explainable models and their applications in image processing and analysis. The comparisons between the explainable models and “black box” models are especially encouraged.

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### Guest Editor

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## Applied Sciences

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### Editor-in-Chief

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