



Deep Learning for Facial Emotion Analysis and Human Activity Recognition

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Message from the Guest Editors

This Special Issue aims to explore the advancements and applications of deep learning in facial emotion analysis and human activity recognition, with a focus on their significance in the domains of health, interaction, and security.

The scope of this Special Issue includes, but is not limited to, the following topics:

- Deep learning for facial expression recognition;
- Deep learning for facial pain assessment;
- Deep learning-based depression detection;
- Driver fatigue detection using facial emotion analysis;
- Multi-modal fusion for enhanced facial emotion analysis;
- Real-time facial emotion analysis for interactive systems;
- Transfer learning and domain adaptation for facial emotion analysis;
- Facial emotion analysis in virtual reality and augmented reality environments;
- Explainable deep learning models for facial emotion analysis;
- Deep learning for human action recognition;
- Spatiotemporal action localization;
- Action quality assessment;
- Emotion generation.





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Message from the Editor-in-Chief

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