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A Visual Attention based ROI Detection Method for Facial Expression Recognition

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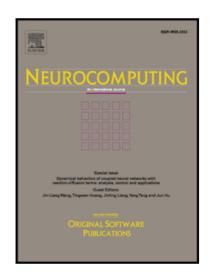
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Highlights

- An 11-layered CNN with Visual Attention is proposed for facial expression recognition
- An attention model is embedded in the network for ROI detection.
- Convolutional features in the ROI are aggregated for emotion classification.
- The learned ROIs are partly consistent with the emotion specific Action Units.

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