

6. Conclusion

In this article, we propose the WAHET-CNN approach for iris identification. First, the weighting adaptive Hough transform is used for the iris segmentation task, and then a deep convolution neural network is used for the iris recognition task. Experimental results have shown that our proposed Weighted Adaptive Hough Ellipsopolar Transform Convolutional Neural Network achieves 90% accuracy on the CASIA dataset Version 4.

Declaration of interests

The authors declare that they have no known competing financial interests or personal relationships that could have appeared to influence the work reported in this paper.

The authors declare the following financial interests/personal relationships which may be considered as potential competing interests:

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