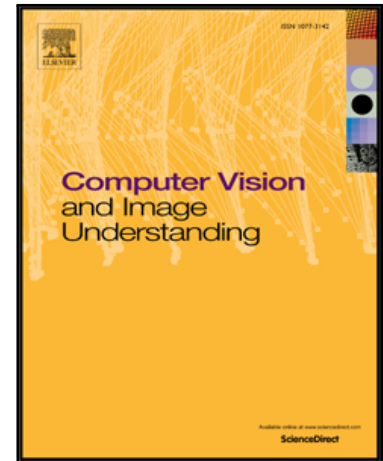


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Improving Posture Classification Accuracy for Depth Sensor-based Human Activity Monitoring in Smart Environments

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Highlights

- A new posture classification framework for Kinect is proposed
- Accuracy in classifying noisy postures is improved by considering the reliability of each joint
- Reliability of a joint can be evaluated by the consistency in different aspects over time
- Performance of classifier is improved by learning the weights of reliability terms

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