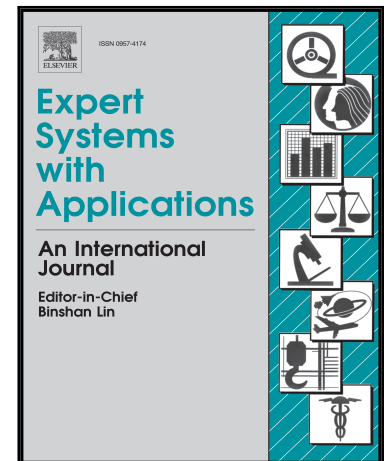


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Mean Shift Tracker Combined with Online Learning-Based Detector
and Kalman Filtering for Real-Time Tracking

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Highlights

- A new tracking method combining a mean shift tracker with an online learning-based detector and a Kalman filter.
- A Mahalanobis distance-based validation region for reduction of calculation time.
- Target model update scheme for long-term tracking
- Experiments on eight challenging video sequences to compare against state-of-the-art methods.
- Demonstration of superiority in term of accuracy and speed.

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