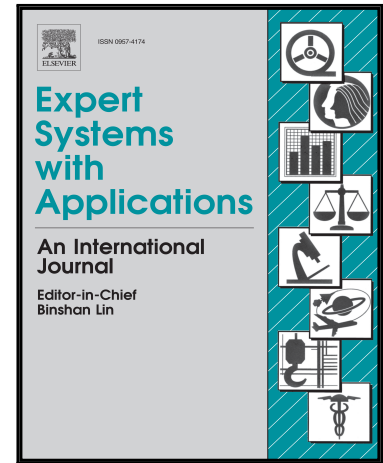


## Accepted Manuscript

An ensemble learning approach to lip-based biometric verification,  
with a dynamic selection of classifiers

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**Highlights**

- Ensemble classifier system is applied to biometric verification.
- For each base classifier, the classifier's competence is separately calculated.
- A lip geometrical features measurements are proposed.
- Experiments confirmed our method outperforms other state-of-the-art methods.

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