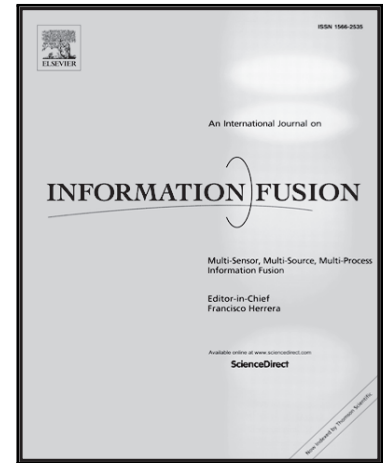


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### Emotion Recognition Using Deep Learning Approach from Audio-Visual Emotional Big Data

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**HIGHLIGHTS**

- An audio-visual emotion recognition system using CNNs is proposed.
- A two-stage ELM based fusion after CNNs is introduced.
- Two databases, one Big Data, and another not Big Data, were used.
- ELM based fusion outperformed others strategies of fusion.

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