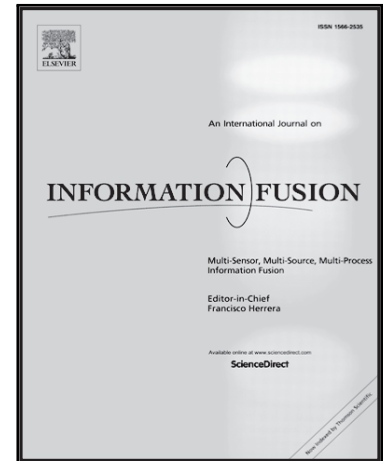


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A Message Passing Approach for Decision Fusion in Adversarial Multi-Sensor Networks

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Highlights

- A near-optimal message passing algorithm is proposed for adversarial decision fusion.
- The algorithm noticeably reduces the complexity compared to the optimum fusion
- Results confirmed the Byzantine's dual behavior in the attacking strategy.
- Markovian and independent models for the observed sequences are considered.
- Independent states are more favorable to Byzantines than the Markovian case.

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