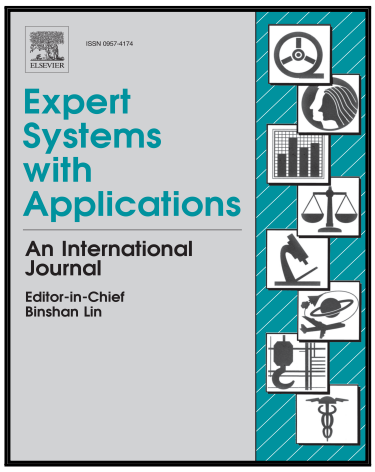

A robust structure identification method for evolving fuzzy system

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Highlights

- A new evolving fuzzy system based on error-reducing method is developed.
- A new partitioning technique that locates the best splitting point is proposed.
- An index is proposed to find a compromise between accuracy and interpretability.
- Using real world data, the proposed model outperforms state-of-the art methods.