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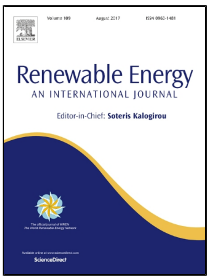

Data Driven Sensor and Actuator Fault Detection and Isolation in Wind Turbine Using Classifier Fusion

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Highlights:

- A data driven approach based on fusion of several classifiers for Fault Detection and Isolation in wind turbine is proposed.
- Proposed feature extraction and feature selection schemes enhance richness of information.
- Data fusion utilized is for increasing reliability of decision.
- Proposed approach is validated based on extensive simulations in the FAST simulator.
- Comparative study with other advanced methods is provided.
- Sensitivity and error analysis show the robustness of the proposed data-driven method.