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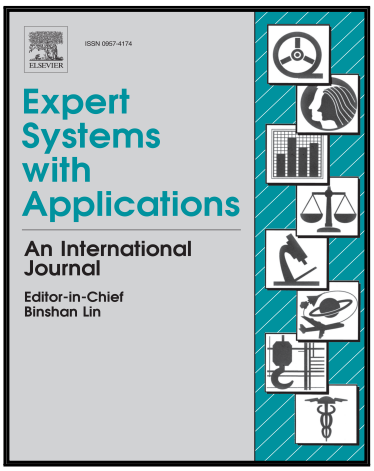

Observational Data-Driven Modeling and Optimization of Manufacturing Processes

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Highlights

- Proposed an integrated variable selection and process parameter design methodology.
- Exploits observational data to model, control and improve process performance.
- Overcomes costs associated with intrusive controlled designed experiments.
- Proposed data-driven approach also identifies significant control variables.
- Promising results from a synthetic experimental study and a real world case study.

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