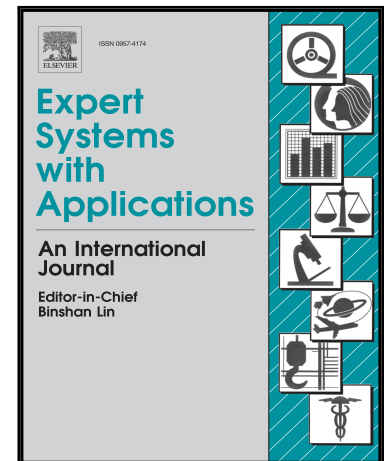


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SACRE: Supporting contextual requirements' adaptation in modern self-adaptive systems in the presence of uncertainty at runtime

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Highlights

- Support of contextual requirements' adaptation in modern SASs is provided.
- A feedback loop is leveraged to detect requirements affected by runtime uncertainty.
- Machine learning is used to determine the best runtime operationalization of context.
- Validation in the domain of smart vehicles for supporting drowsy drivers is provided.
- Empirical evidence demonstrates the approach applicability in real software domains.

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