## **Accepted Manuscript**

A novel support vector regression method for online reliability prediction under multi-state varying operating conditions

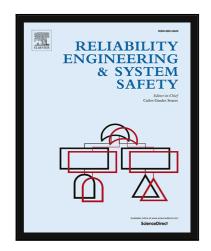
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PII: S0951-8320(17)30475-1 DOI: 10.1016/j.ress.2018.04.027

Reference: RESS 6146

To appear in: Reliability Engineering and System Safety

Received date: 22 April 2017 Revised date: 20 April 2018 Accepted date: 27 April 2018



Please cite this article as: Tao Tao, Enrico Zio, Wei Zhao, A novel support vector regression method for online reliability prediction under multi-state varying operating conditions, *Reliability Engineering and System Safety* (2018), doi: 10.1016/j.ress.2018.04.027

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## **Highlights**

- A data-driven method is proposed for prognostics in multi-state operating condition.
- Features are developed to assess different reliability evolution trends.
- A sequential Monte Carlo framework is adopted for the online prediction.
- The proposed method is applied with several electrical and mechanical applications.
- The prediction accuracy, robustness and speed are evaluated.



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