

Accepted Manuscript

Probabilistic Competing Failure Analysis in Phased-Mission Systems

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PII: S0951-8320(18)30286-2
DOI: [10.1016/j.ress.2018.03.031](https://doi.org/10.1016/j.ress.2018.03.031)
Reference: RESS 6115



To appear in: *Reliability Engineering and System Safety*

Received date: 31 July 2017
Revised date: 26 March 2018
Accepted date: 28 March 2018

Please cite this article as: Yujie Wang , Liudong Xing , Gregory Levitin , Ning Huang , Probabilistic Competing Failure Analysis in Phased-Mission Systems, *Reliability Engineering and System Safety* (2018), doi: [10.1016/j.ress.2018.03.031](https://doi.org/10.1016/j.ress.2018.03.031)

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Highlights:

- Reliability of phased-mission systems with probabilistic function dependence is analyzed.
- Time-domain competition between failure propagation and probabilistic isolation effects is modeled.
- A detailed case study of a wireless body area network is provided.
- Correctness of the proposed method is verified using Monte Carlo simulations.

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