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A Monte Carlo-Based Exploration Framework For Identifying Components Vulnerable To Cyber Threats In Nuclear Power Plants

Wei Wang , Antonio Cammi , Francesco Di Maio , Stefano Lorenzi , Enrico Zio

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Highlights

- An exploration framework for identifying CPS vulnerabilities to cyber threats is proposed.
- Cyber attack scenarios are explored by Monte Carlo sampling.
- A safety margin estimation approach is proposed for cyber threat prioritization.
- The framework is illustrated with respect to the digital I&C system of an ALFRED simulator.



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