

Failure Prevention and Repair (FPR) Sequence Plans in Smart Grids

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Categories:

- Computer Technology
- Electrical Engineering

Keywords:

- Failure Prevention and Repair
- Failure Types
- FPR
- Monte Carlo Simulation
- Sequencers
- Smart Grids

Researchers at Purdue University have developed sequencers for failure prevention and repair (FPR) in smart grids. This technology can be used to optimally allocate resources and prioritize failures in massively distributed networks. The focus is on repair, recovery, and prevention using a suite of control algorithms for failure prevention and resolution. This helps users prevent major losses and damages in large networked systems.

Advantages:

- Sequencing repairs in smart grids for different goals
- Optimizing repair resources allocation for different types of failures
- Preventing cascading failures in smart grids

Potential Applications:

- Smart grids
- Water distribution networks
- Logistics grids
- Computer and information networks

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Intellectual Property:

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