

Risk Management in Complex High Functional Importance Systems

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Abstract

The authors present some problems concerning the risk evaluation in complex high functional importance systems. They present comparatively the methods that could be used in the process of risk analysis. A case study regarding the risk analysis of a nuclear reactor, based on the proposed methodology is included, also.

Keywords: Risk analysis, complex system, FMEA, HAZOP, ETA, FTA, PHA, ECCS

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