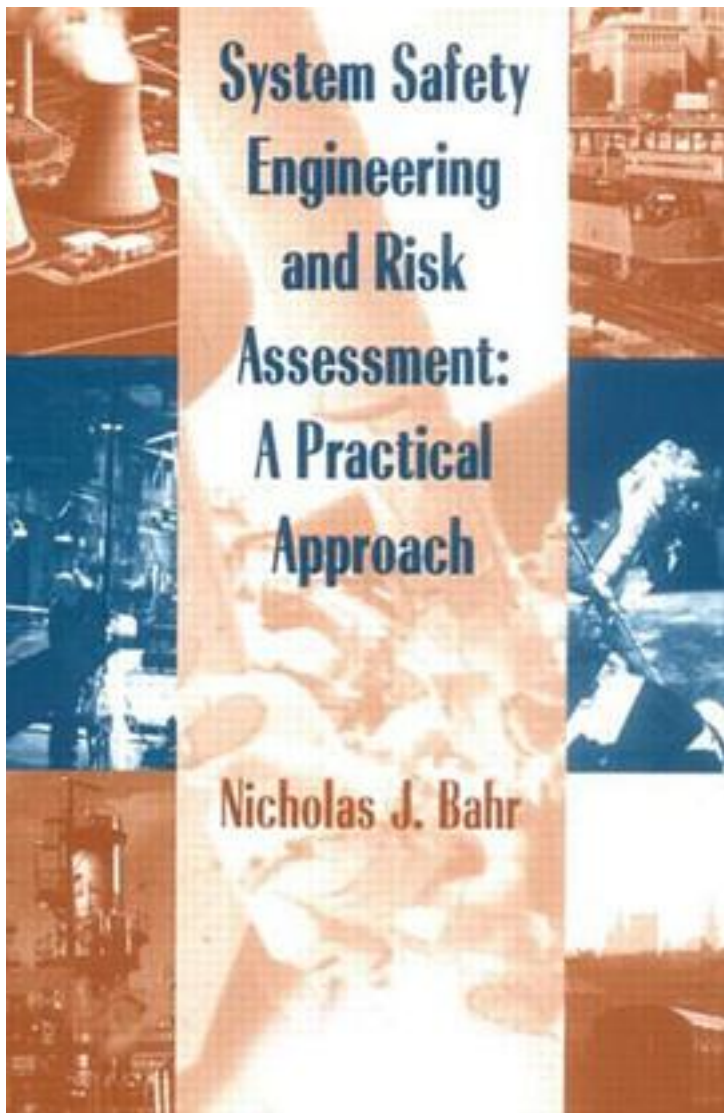


System Safety Engineering And Risk Assessment



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As technological systems become more complex, it becomes increasingly difficult to identify safety hazards and to control their impact. Engineers today are finding that safety and risk touch upon every aspect of any engineered process, from system design all the way through disposal. Employing highly pragmatic examples from a number of industries, *System Safety Engineering and Risk Assessment: A Practical Approach* provides a comprehensive and easily accessible guide on how to build safety into products as well as into industrial processes.

Using a systems approach, the text discusses the best system safety techniques used in various industries, types of hazard analyses, safety checklists and other safety tools, as well as techniques for investigating accidents. It explains how to set up a data management system for a system safety program, and delves into risk assessment, including ways to conduct a risk evaluation. While the book provides engineers with an efficient reference in a critical area, the clarity of the writing along with the case studies and illustrations makes this book accessible to non-technical professionals needing a how to guide for the safety management of complex systems. It is also used by graduate classes involved with ergonomics and occupational safety as well as engineering.

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