
Resilience as an Engineered System Property

DOES IT MAKE SENSE?
WHAT SENSE DOES IT MAKE?

DRAFT WORKING PAPER

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Abstract

The concept of resilience as a system property has garnered considerable attention in recent years. Yet the status of the concept remains unsettled. The literature addressing this property is sparse. There is little in the way of a broadly shared, precise understanding of what constitutes such a property. It is unclear whether the (putative) property is redundant with other such system properties as survivability. Moreover we lack both notations for specifying resilience properties and methods for assuring the satisfaction of such specified properties. This paper presents a survey and analysis of concepts of resilience and draws tentative conclusions about the status of the concept and directions for future research.

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