

Dependable Computing: Concepts, Challenges, Directions

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Abstract

Our society is faced with an ever increasing dependence on computing systems, which lead to question ourselves about the limits of their dependability, and about the challenges raised by those limits. In order to respond these questions, a global conceptual and terminological framework is needed, which is first given. The limits and challenges in dependability are then addressed, from technical and economics viewpoints. Directions are finally given in order to respond to the challenges.