Reliable Software for Unreliable Hardware: A Cross Layer Perspective

Semeen Rehman · Muhammad Shafique
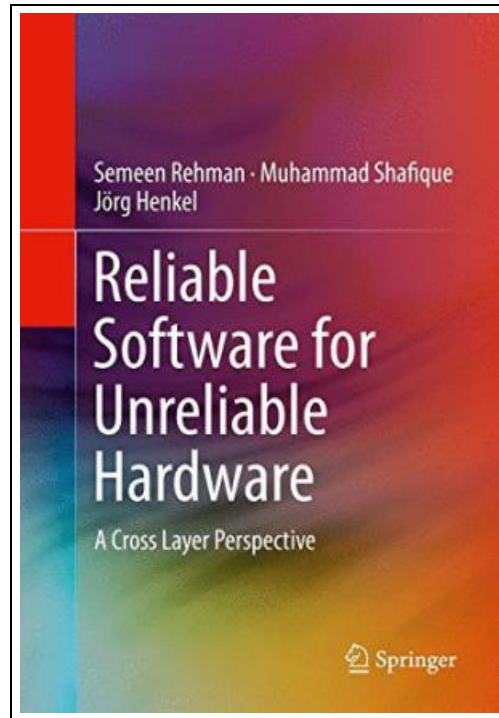Jörg Henkel

Reliable Software for Unreliable Hardware

A Cross Layer Perspective

Springer

Filesize: 4.41 MB

Reviews

This type of publication is almost everything and taught me to hunting ahead plus more. It is writter in easy terms rather than difficult to understand. Your way of life period will likely be transform once you comprehensive looking at this ebook.
(Gladyce Reinger)

RELIABLE SOFTWARE FOR UNRELIABLE HARDWARE: A CROSS LAYER PERSPECTIVE

To download **Reliable Software for Unreliable Hardware: A Cross Layer Perspective** PDF, remember to refer to the web link below and save the document or get access to additional information which might be highly relevant to RELIABLE SOFTWARE FOR UNRELIABLE HARDWARE: A CROSS LAYER PERSPECTIVE book.

Springer. Hardcover. Condition: New. 250 pages. This book demonstrates a highly reliable software system for embedded computing, describing novel concepts, strategies, and implementations to leverage multiple system layers in an integrated fashion for reliability optimization under user-defined, tolerable performance overhead constraints. The authors approach bridges the gap between hardware and software by quantifying the effects of hardware-level faults at the software level, while accounting for the processor architecture and layout. Readers will learn to leverage multiple software layers to achieve high soft error resilience on unreliable or partially-reliable hardware, while exploiting the inherent error masking characteristics and soft error mitigation potential at different software layers. The authors focus on designing reliable applications, which will execute on an unreliable (or partially-reliable) embedded hardware, given reliability threats such as soft errors, aging, and process variations. Readers will benefit from the techniques described for cross-layer software program reliability modeling and optimization at various granularities (e. g. , instruction and function) and at different system design abstractions. This item ships from multiple locations. Your book may arrive from Roseburg,OR, La Vergne,TN. Hardcover.

Read Reliable Software for Unreliable Hardware: A Cross Layer Perspective Online
Download PDF Reliable Software for Unreliable Hardware: A Cross Layer Perspective

Other Kindle Books

[PDF] Growing Up: From Baby to Adult High Beginning Book with Online Access

Access the hyperlink listed below to get "Growing Up: From Baby to Adult High Beginning Book with Online Access" file.

Read ePub »

[PDF] Environments for Outdoor Play: A Practical Guide to Making Space for Children (New edition)

Access the hyperlink listed below to get "Environments for Outdoor Play: A Practical Guide to Making Space for Children (New edition)" file.

Read ePub »

[PDF] Too Old for Motor Racing: A Short Story in Case I Didnt Live Long Enough to Finish Writing a Longer One

Access the hyperlink listed below to get "Too Old for Motor Racing: A Short Story in Case I Didnt Live Long Enough to Finish Writing a Longer One" file.

Read ePub »

[PDF] A Widow for One Year: A Novel

Access the hyperlink listed below to get "A Widow for One Year: A Novel" file.

Read ePub »

[PDF] I Want to Thank My Brain for Remembering Me: A Memoir

Access the hyperlink listed below to get "I Want to Thank My Brain for Remembering Me: A Memoir" file.

Read ePub »

[PDF] DK Readers Disasters at Sea Level 3 Reading Alone

Access the hyperlink listed below to get "DK Readers Disasters at Sea Level 3 Reading Alone" file.

Read ePub »