

Dekimo

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PC-based hardware simulation for improved software integrity of medical applications.

Software-integrity of embedded medical devices can be safeguarded in a variety of ways. The MDD requires, depending on the class of the medical device, manual release testing. Straightforward manual testing at release time induces (too) late detection of potential errors and may introduce huge related cost due to SW re-spin.

Detecting errors earlier in the process may prevent this time loss and corresponding frustrations.

This presentation demonstrates a structured approach for software reliability testing, relying heavily on PC-based scripting and simulations.

The methods presented allow extensive testing without time loss at development time, thus guaranteeing a compliance of the implemented SW with the specifications.

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