



Real-time Embedded Components And Systems

Author :Sam Siewert / **Category :**Computers / **Total Pages :** 366 pages

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Summary : Free real-time embedded components and systems pdf download - the emergence of new soft real-time applications such as dvrs digital video recorders and other multimedia devices has caused an explosion in the number of embedded real-time systems in use and development many engineers working on these emergent products could use a practical and in depth primer on how to apply real-time theory to get products to market quicker with fewer problems and better performance real-time embedded systems and components introduces practicing engineers and advanced students of engineering to real-time theory function and tools applied to embedded applications the first portion of the book provides in-depth background on the origins of real-time theory including rate monotonic and dynamic scheduling from there it explores the use of rate monotonic theory for hard real-time applications commonly used in aircraft flight systems satellites telecommunications and medical systems engineers also learn about dynamic scheduling for use in soft real-time applications such as video on demand voip voice over internet protocol and video gaming sample code is presented and analyzed based upon linux and vxworks operating systems running on a standard intel architecture pc finally readers will be able to build working robotics video machine vision or voip projects using low-cost resources and approaches to gain hands on real-time application experience real-time embedded systems and components is the one single text that provides an in-depth introduction to the theory along with real world examples of how to apply it

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