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share the data. Thus the system becomes more flexible.

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must access hardware directly. This chapter presents the design patterns for accessing hardware. Broadly, software-accessible hardware can be categorized into four kinds—infrastructure, communications, sensors, and actuators.

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The design is still simple but the execution time of the functions within the medium priority task could introduce timing issues. The separation of the embedded web

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server task reduces this risk and in any case any such issues would not effect the plant control task.

Tutorial: Design patterns for small embedded systems

I haven't read it yet, but Bruce Powel Douglass has a new book



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titled "Design Patterns for Embedded Systems in C". A description of the book states: The author carefully takes into account the special concerns found in designing and developing embedded applications specifically

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There were two I found particularly appealing. The first is the observer pattern. This is another name for publish/subscribe, an approach that is increasingly found in complex systems.

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Hierarchy pattern Player-Role

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pattern Singleton pattern  
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