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Computer Organization And Design: The Hardware Software Interface: ARM Edition (The Morgan Kaufmann Series In Computer Architecture And Design)



Synopsis

The new ARM Edition of Computer Organization and Design features a subset of the ARMv8-A architecture, which is used to present the fundamentals of hardware technologies, assembly language, computer arithmetic, pipelining, memory hierarchies, and I/O. With the post-PC era now upon us, Computer Organization and Design moves forward to explore this generational change with examples, exercises, and material highlighting the emergence of mobile computing and the Cloud. Updated content featuring tablet computers, Cloud infrastructure, and the ARM (mobile computing devices) and x86 (cloud computing) architectures is included. An online companion Web site provides links to a free version of the DS-5 Community Edition (a free professional quality tool chain developed by ARM), as well as additional advanced content for further study, appendices, glossary, references, and recommended reading.

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Customer Reviews

My understanding is that this is something of a standard text on the topic. We used this text in a architecture and organization class. The material itself seems mostly accurate. The presentation is a awkward at times and there is a great deal of specific information regarding ARM commands and

formats that can only be gleaned by downloading additional materials. All in all, I would say this is a decent primer, but it is not a great reference.

Great content, but a lot of typo.

Arrived on time, and brand new, thanks!

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