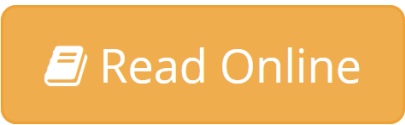



Introduction to Embedded Systems


By Jonathan W Valvano



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This book is a subset of Embedded Systems: Introduction to ARM Cortex-M Microcontrollers, Volume 1, ISBN: 978-1477508992, configured for specific use in EE319K Introduction to Embedded Systems taught at the University of Texas at Austin. It is first edition, third printing, August 2017. The section numbers in this book also specify the corresponding section in the original book. This first book is an introduction to computers and interfacing focusing on assembly language and C programming. The second book Embedded Systems: Real-Time Interfacing to ARM Cortex-M Microcontrollers focuses on hardware/software interfacing and the design of embedded systems. The third book Embedded Systems: Real-Time Operating Systems for ARM Cortex-M Microcontrollers is an advanced book focusing on operating systems, high-speed interfacing, control systems, and robotics. The third volume could also be used for professionals wishing to design or deploy a real-time operating system onto an ARM platform. There is a web site accompanying this book <http://users.ece.utexas.edu/~valvano/arm>. Posted here are ARM Keil uVision and Texas Instruments Code Composer Studio projects for each of the example programs in the book.

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Introduction to Embedded Systems By Jonathan W Valvano Bibliography

- Rank: #190014 in Books
- Published on: 2016-08-17
- Original language: English
- Dimensions: 9.25" h x .98" w x 7.50" l,
- Binding: Paperback
- 432 pages

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