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## Preface to the Fifth Edition

This fifth edition includes the new TM4C1294-based LaunchPad. Most of the code in the book is specific for the TM4C123-based LaunchPad. However, the book website includes corresponding example projects for the LM3S811, LM3S1968, LM4F120, and TM4C1294, which are ARM® Cortex™-M microcontrollers from Texas Instruments. There are now two lost-cost development platforms called Tiva LaunchPad. The EK-TM4C123GXL LaunchPad retails for \$12.99, and the EK-TM4C1294XL Connected LaunchPad retails for \$19.99. The various LM3S, LM4F and TM4C microcontrollers are quite similar, so this book along with the example code on the web can be used for any of these microcontrollers. Compared to the TM4C123, the new TM4C1294 microcontroller runs faster, has more RAM, has more ROM, includes Ethernet, and has more I/O pins. This fifth edition switches the syntax from C to the industry-standard C99.

