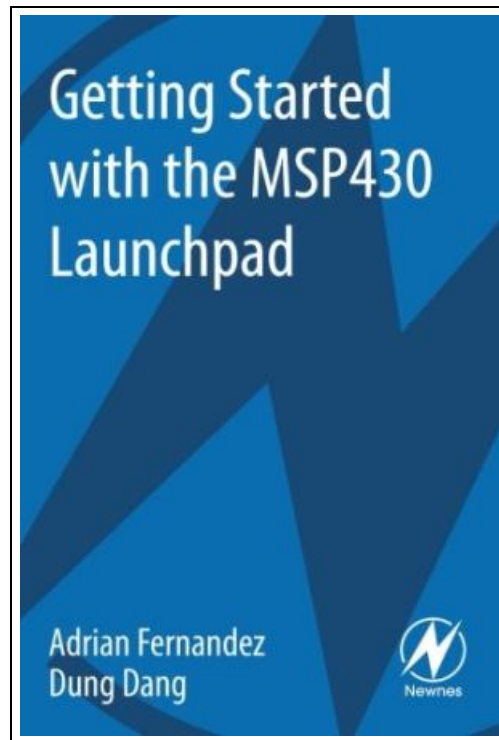


Getting Started with the MSP430 Launchpad (Paperback)



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Reviews

Unquestionably, this is actually the very best job by any publisher. It really is basic but unexpected situations within the 50 % from the book. I discovered this book from my dad and i advised this publication to discover.
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GETTING STARTED WITH THE MSP430 LAUNCHPAD (PAPERBACK)

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ELSEVIER SCIENCE TECHNOLOGY, United Kingdom, 2013. Paperback. Condition: New. Language: English . Brand New Book. This book explores the world of microcontroller development through friendly lessons and progressively challenging projects, which will have you blink LEDs, make music with buzzers interact with different sensors like accelerometers and temperature sensors. This book is focused on the MSP-EXP430G2 LaunchPad Evaluation Kit, which is a complete microcontroller development platform that includes everything you need to start creating microcontroller-based projects. Many of the 25+ projects will also leverage external components, such as the highly-integrated Educational BoosterPack, which is a modular extension to the LaunchPad and includes many components such as an RGB LED, character LCD potentiometer. This book provides helpful guides that break down hardware circuits through visual diagrams and includes fully-commented code examples. Concepts are broken down and explained in an easy to follow language and analogies to help you understand the principles behind each project/system. The projects will encourage you to use and even combine the fundamental concepts to develop your ideas in creating new microcontroller solutions. Coverage includes: Digital Input/Output: buttons, LEDs, turning anything into a button Analog Input/Output: sensors, temperature, accelerometer, potentiometer, etc. Programming fundamentals: conditional branches loops, flow, logic, number systems Pulse-Width Modulation (PWM): square wave, buzzer, analog signal simulation Serial Communication: UART, SPI I2C Code development using Energia, a free, open-source code editor and compiler Debugging through serial communication with a computer Interfacing with external components such as LEDs, buzzers, potentiometers, sensors more. With the help of this book, you will be challenged to think about developing your own unique microcontroller-based application, and you will be equipped to start solving various problems, adding intelligence to existing products, or even developing your own innovative creations with a LaunchPad development kit.

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