

Programming and Interfacing ATMEL's AVRs

By Thomas Grace

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Atmel's AVR microcontrollers are the go-to chip for many hobbyists and hardware hacking projects. In this book, PROGRAMMING AND INTERFACING ATMEL'S AVRS, you will learn how to program and interface using three of Atmel's microcontrollers--the ATtiny13, the ATmega328, and the ATmega32. The book begins with the binary number system and move into programming in assembly, then C and C++. Very little prior engineering knowledge is assumed. You'll work step-by-step through sections on connecting to devices such as DC motors, servos, steppers, touch pads, GPS sensors, temperature sensors, accelerometers, and more. Get started working with Atmel's AVRs today, with PROGRAMMING AND INTERFACING ATMEL'S AVRS.

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Editorial Review

About the Author
Thomas Grace graduated from Clarkson University in 1987 with a master's degree in Electrical and Computer Engineering. He has worked for IBM Burlington in semiconductor manufacturing. In addition to teaching at SUNY Broome, Grace has taught for Clarkson University; University of Buffalo in Kuala Lumpur, Malaysia; and Purdue University in Jahor, Malaysia. He is the owner of Grace Instrumentation, LLC, which designs and builds microprocessor-based instrumentation. When not at work he enjoys building furniture in the 18th century style.

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