Programming the Propeller with Spin: A Beginners Guide to Parallel Processing

By Harprit Sandhu

McGraw-Hill/Tab Electronics. Paperback. Book Condition: New. Paperback. 368 pages. Dimensions: 9.0in. x 7.3in. x 0.8in.Parallel Processing With the Propeller--Made Easy! This book should find a place on any Propellerheads bookshelf, between Parallaxs Propeller Manual and its Programming and Customizing the Multicore Propeller volumes. Make: 24 Programming the Propeller with Spin: A Beginners Guide to Parallel Processing walks you through the essential skills you need to build and control devices using the Propeller chip and its parallel processing environment. Find out how to use each of the identical 32-bit processors, known as cogs, and make the eight cogs effectively interact with each other. The book covers Propeller hardware and software setup, memory, and the Spin language. Step-by-step projects give you hands-on experience as you learn how to: Use Propeller IO techniques with extensive Spin code examples Display numbers with seven segment displays Create accurate, controlled pulse sequences Add a 16 character by two line LCO display Control RC hobby servos Use motor amplifiers to control small motors Run a bipolar stepper motor Build a gravity sensor-based auto-leveling table Run DC motors with incremental encoders Run small AC motors Youll also find hundreds of lines of ready-to-run documented Spin code as well...

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