Data Acquisition Using LabVIEW (Paperback)

By Behzad Ehsani

Packt Publishing Limited, United Kingdom, 2016. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.Transform physical phenomena into computer-acceptable data using a truly object-oriented language About This Book * Create your own data acquisition system independently using LabVIEW and build interactive dashboards * Collect data using National Instrument s and third-party, open source, affordable hardware * Step-by-step real-world examples using various tools that illustrate the fundamentals of data acquisition Who This Book Is For If you are an engineer, scientist, experienced hobbyist, or student, you will highly benefit from the content and examples illustrated in this book. A working knowledge of precision testing, measurement instruments, and electronics, as well as a background in computer fundamentals and programming is expected. What You Will Learn * Create a virtual instrument which highlights common functionality of LabVIEW * Get familiarized with common buses such as Serial, GPIB, and SCPI commands * Staircase signal acquisition using NI-DAQmx * Discover how to measure light intensity and distance * Master LabVIEW debugging techniques * Build a data acquisition application complete with an installer and required drivers * Utilize open source microcontroller Arduino and a 32-bit Arduino compatible Uno32 using LabVIEW programming...

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