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    Descrizione fisica 1 online resource (302 pages)

    Soggetti   Debugging in computer science
                        Real-time programming

    Lingua di pubblicazione   Inglese

    Formato   Materiale a stampa

    Livello bibliografico   Monografia

    Nota di bibliografia   Includes bibliographical references and index.

    Sommario/riassunto Debugging Embedded and Real-Time Systems: The Art, Science,
                        Technology and Tools of Real-Time System Debugging gives a unique
                        introduction to debugging skills and strategies for embedded and real-
                        time systems. Practically focused, it draws on application notes and
                        white papers written by the companies who create design and debug
                        tools. Debugging Embedded and Real Time Systems presents best
                        practice strategies for debugging real-time systems, through real-life
                        case studies and coverage of specialized tools such as logic analysis,
                        JTAG debuggers and performance analyzers. It follows the traditional
                        design life cycle of an embedded system and points out where defects
                        can be introduced and how to find them and prevent them in future
                        designs. It also studies application performance monitoring, the
                        execution trace recording of individual applications, and other tactics
                        to debug and control individual running applications in the
                        multitasking OS. Suitable for the professional engineer and student,
                        this book is a compendium of best practices based on the literature as
                        well as the author's considerable experience as a tools' developer.
                        Provides a unique reference on Debugging Embedded and Real-Time
                        Systems Presents best practice strategies for debugging real-time
                        systems Written by an author with many years of experience as a tools
                        developer Includes real-life case studies that show how debugging
                        skills can be improved Covers logic analysis, JTAG debuggers and