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Altri autori (Persone)	SachaKrzysztof M
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Nota di contenuto	Contents; Preface; List of Figures; List of Tables; Authors; Chapter 1 Real-Time Computing and Industrial Process Automation; 1.1 Introduction; 1.2 Industrial Control Systems; 1.3 Example: A Chemical Process; 1.4 Historical Perspective; Chapter 2 Conceptual Foundations; 2.1 Real-Time System Characteristics; 2.2 Continuous and Discrete Time; 2.3 Engineering Approach to Hard Real-TimeSystem Design; Chapter 3 Digital Control of Continuous Processes; 3.1 Introduction; 3.2 Linear System Theory; 3.3 Control System Analysis and Design; 3.4 Digitising Analogue Signals; 3.5 New Developments Chapter 4 Hardware Architectures4.1 Classical Process Automation; 4.2 Centralised Direct Digital Control; 4.3 Redundant Configurations; 4.4 Multi-Level Control Systems; 4.5 Network..flased Distributed Systems; 5.3 Analogue Outputs; 5.4 Analogue Inputs; 5.5 Serial Interface; Chapter 6 Communication Networks; 6.1 Network Architecture; 6.2 LAN Technology; 6.3 LAN Medium Access Control; 6.4 LAN Logical Link Control; 6.5 MAP /TOP Protocol; Chapter 7 Real-Time Operating Systems Principles; 7.1 Operating System Requirements; 7.2 Synchronous and Asynchronous Task Execution 7.3 Multi-Tasking7.4 Task Synchronisation and Communication; 7.5 Time and Event Handling; 7.6 Distributed Operating Systems; Chapter 8

Comparison of Some Real-Time Operating Systems; 8.1 System iRMX88; 8.2 System iRMX; 8.3 System QNX; 8.4 System PORTOS; 8.5 Comparison of Real-Time Operating Systems; Chapter 9 High Level Real-Time Programming; 9.1 Real-Time Features in High Level Languages; 9.2 A Closer Look at Ada and PEARL; 9.3 Requirements for New High Level LanguageFeatures; 9.4 High-Integrity PEARL; 9.5 Advanced Features of High-Integrity PEARL
Chapter 10 Schedulability Analysis10.1 Schedulability Analyser; 10.2 Front-End of the Schedulability Analyser; 10.2.1 A Segment Tree Example; 10.2.2 Front-End Statistics; 10.3 Back-End of the Schedulability Analyser; 10.4 Program Transformation; 10.5 Empirical Evaluation; Chapter 11 System and Software Life Cycle; 11.1 System Development; 11.2 Software Life Cycle; 11.3 Software Development Economy; 11.4 Classical Software Development Methods; 11.5 Prototyping; 11.6 Object-Oriented Development; 11.7 Transformational Implementation; 11.8 Evaluation of the Development Paradigms
Chapter 12 Software Quality Assurance12.1 Software Quality Assurance Planning; 12.2 Reviews and Audits; 12.3 Structured Walkthrough and Inspections; 12.4 Software Testing; Chapter 13 Computer Aided Software Engineering Tools; 13.1 Software Development Environments; 13.2 The EPOS System; 3.3 Example: A Chemical Process; Chapter 14 Formal Specification and Verification Methods; 14.1 Introduction; 14.2 Sequential and Parallel Descri ption; 14.3 Petri Nets; 14.4 Properties of Petri Nets; 14.5 Temporal Logic; 14.6 Correctness Verification Using Temporal Logic
Chapter 15 Programmable Logic Controllers

Sommario/riassunto

This book represents the first comprehensive text in English on real-time and embedded computing systems. It is addressed to engineering students of universities and polytechnics as well as to practitioners and provides the knowledge required for the implementation of industrial computerized process control and manufacturing automation systems. The book avoids mathematical treatment and supports the relevance of the concepts introduced by practical examples and case studies. Special emphasis is placed on a sound conceptual basis and on methodologies and tools for the development of high qualit

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Autore	Burt Andrew <1985->
Titolo	American hysteria : the untold story of mass political extremism in the United States / / Andrew Burt
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Disciplina	320.0973
Soggetti	Hysteria - Political aspects - United States - History Fear - Political aspects - United States - History Collective behavior - Political aspects - United States - History Radicalism - United States - History Political culture - United States - History Secret societies - Political aspects - United States - History United States Politics and government
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Sommario/riassunto	This debut book from Andrew Burt details the pivotal moments in American political history when outliers moved to the center, capturing the national spotlight and turning fringe politics mainstream. American Hysteria puts readers at the center of the nation's most prominent periods of political extremism, from the Anti-Illuminati movement of the 1790's to McCarthyism in the 1950's to the Anti-Sharia movement of today. Both a deep dive into American history and a riveting narrative account, this is book is as much history lesson as it is drama. Burt argues that political hysteria arises in period