

1. Record Nr.	UNINA9910830073703321
Autore	Ibrahim Dogan
Titolo	Microcontroller based applied digital control
Pubbl/distr/stampa	[Place of publication not identified], : John Wiley, 2006
ISBN	0-470-86337-4 0-470-86336-6
Edizione	[1st edition]
Descrizione fisica	1 online resource (1 v.) : ill
Disciplina	629.8/9
Soggetti	Process control - Data processing Digital control systems - Design and construction Microprocessors Mechanical Engineering - General Industrial & Management Engineering Mechanical Engineering Engineering & Applied Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	System modelling -- The PIC microcontroller -- Programming PIC microcontrollers in C -- Microcontroller project development -- Sampled data systems and the z-transform -- System time response characteristics -- System stability -- Discrete controller design -- Controller realization -- Liquid level digital control system : a case study.
Sommario/riassunto	Combines the theory and the practice of applied digital control This book presents the theory and application of microcontroller based automatic control systems. Microcontrollers are single-chip computers which can be used to control real-time systems. Low-cost, single chip and easy to program, they have traditionally been programmed using the assembly language of the target processor. Recent developments in this field mean that it is now possible to program these devices using high-level languages such as BASIC, PASCAL, or C. As a result, very complex control algorithms can be developed and implemented on the microcontrollers. Presenting a detailed treatment of how

microcontrollers can be programmed and used in digital control applications, this book: Introduces the basic principles of the theory of digital control systems. Provides several working examples of real working mechanical, electrical and fluid systems. Covers the implementation of control algorithms using microcontrollers. Examines the advantages and disadvantages of various realization techniques. Describes the use of MATLAB in the analysis and design of control systems. Explains the sampling process, z-transforms, and the time response of discrete-time systems in detail. Practising engineers in industry involved with the design and implementation of computer control systems will find Microcontroller Based Applied Digital Control an invaluable resource. In addition, researchers and students in control engineering and electrical engineering will find this book an excellent research tool.

2. Record Nr.	UNINA9910502996303321
Autore	Williams Elaine
Titolo	Rethinking Knife Crime : Policing, Violence and Moral Panic? // by Elaine Williams, Peter Squires
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Palgrave Macmillan, , 2021
ISBN	9783030837426 3030837424
Edizione	[1st ed. 2021.]
Descrizione fisica	1 online resource (393 pages)
Disciplina	365.942 364.150941
Soggetti	Weapons Criminology Juvenile delinquents Sociology Social groups Criminal behavior Youth - Social life and customs Youth Offending and Juvenile Justice Sociology of Family, Youth and Aging Crime Control and Security Criminal Behavior Youth Culture

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	<p>1. Introduction. 'There Is No Home Office Definition Of Knife Crime'- 2. Knives And Violence In History And Culture: A Global History Of Stabbing -- 3. A Prelude To 'Knife Crime':Gangs, Weapons And The 'Macpherson Effect' -- 5. A Public Definition: The Making Of The 'Knife Crime' Label -- 5. A Moral Panic And The 'War On Knife Crime' -- 6. The 'Knife Crime Industry': Knife Fetish And The Commodification Of Violence Prevention -- 7. The Realities Of Knife Crime: Life Beneath The Label -- 8. A Joined-Up Approach To Sustainable Violence Prevention? -- 9. Conclusion: Still Policing The Crisis?.</p>
Sommario/riassunto	<p>This critical textbook looks beyond the immediate data on knife crime to try and make sense of what is a global phenomenon. Yet it especially explores why the UK in particular has become so preoccupied by this form of interpersonal, often youthful, violence. The book explores knife crime in its global and historical context and examines crime patterns including the "second wave" of knife crime in Britain. It then incorporates new empirical data to explore key themes including: police responses, popular narratives, and the various interests benefiting from the 'knife crime industry'. It captures the "voices" of those impacted by knife crime including young people, community leaders, and youth work practitioners. Drawing on criminology, sociology, cultural studies and history, the book argues that the problem is firmly located at the intersection of a series of concerns about class, race, gender and generation that are a product of British history and its global past. It seeks to trace the several roots of the contemporary knife crime 'epidemic', ultimately to propose newer and alternative strategies for responding to it. It encourages a critical engagement with this subject, with the inclusion of some learning exercises for undergraduate students and above in the the social sciences, whilst also speaking to researchers, policy-makers and practitioners.</p>