1. Record Nr. UNINA9910792490303321

Autore	Hollien Harry
Titolo	The Acoustics of Crime [[electronic resource]] : The New Science of Forensic Phonetics / / by Harry Hollien
Pubbl/distr/stampa	New York, NY : , : Springer US : , : Imprint : Springer, , 1990
ISBN	1-4899-0673-8
Edizione	[1st ed. 1990.]
Descrizione fisica	1 online resource (XIV, 370 p. 33 illus.)
Collana	Applied Psycholinguistics and Communication Disorders
Disciplina	150
Soggetti	Psychology Linguistics Philology Criminology Political science Law and Psychology Linguistics, general Language and Literature Criminology and Criminal Justice, general Political Science
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	I The Basics -- 1 Introduction -- 2 Simple Acoustics -- 3 Speech Characteristics -- 4 Basic Equipment -- II Problems with Tape Recordings -- 5 Electronic Surveillance -- 6 The Problem of Noisy Tape Recordings -- 7 Speech Decoding and Transcripts -- 8 Authentication of Tape Recordings -- III Speaker Identification -- 9 Historical Issues and Perceptual Identification -- 10 The “Voiceprint” Problem -- 11 Machine/Computer Approaches -- IV Stress in Voice -- 12 Psychological Stress and Psychosis -- 13 Vocal Stress/Lie Detectors -- V Related Areas -- 14 Signatures: Machine and Acoustic -- 15 Related Areas and Specialties -- 16 On Ethics and Responsibilities -- References.
Sommario/riassunto	There are many reasons for writing a book; this one was conceived and devel- oped mainly for two. First, a new area has emerged from within

	the forensic sciences-that of forensic phonetics. As with all new specialties, it is necessary to define it, identify its boundaries, justify its importance and compile a list of the elements it encompasses. This book attempts to outline these several rela- tionships. Second, over the past decade I have become fascinated with forensics in general and the rapidly expanded subarea of forensic phonetics in particular. Admittedly, the latter field is one that is not as yet sufficiently appreciated-and much more needs to be known about its nature and extent. Yet, I have found it to be a most enjoyable area of study and my attempts to describe its domains were quite informative. It was especially interesting to struggle with the interfaces between forensic phonetics and related fields, and discover how they overlap. Only a few comments will be made about the book's contents here in the preface. For one thing, they are described in some detail in the first chapter.

2.	Record Nr.	UNINA9910299667603321
	Autore	Kam Hei
	Titolo	Micro-Relay Technology for Energy-Efficient Integrated Circuits / / by Hei Kam, Fred Chen
	Pubbl/distr/stampa	New York, NY : , : Springer New York : , : Imprint : Springer, , 2015
	ISBN	1-4939-2128-2
	Edizione	[1st ed. 2015.]
	Descrizione fisica	1 online resource (190 p.)
	Collana	Microsystems and Nanosystems, , 2198-0063
	Disciplina	620 620.5 621.3815 658.26
	Soggetti	Nanotechnology Electronic circuits Energy consumption Nanotechnology and Microengineering Circuits and Systems Energy Efficiency
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Description based upon print version of record.

Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	A New Era of Old Electronics -- Design and Modeling of Micro-Relay -- Micro-Relay Technologies -- Micro-Relay Reliability -- Optimization and Scaling of Micro-Relays for Ultra-Low-Power Digital Logic -- Integrated Circuit Design with Micro-Relays -- Micro-Relay Circuits for VLSI Applications.
Sommario/riassunto	This book describes the design of relay-based circuit systems from device fabrication to circuit micro-architectures. This book is ideal for both device engineers as well as circuit system designers and highlights the importance of co-design across design hierarchies when optimizing system performance (in this case, energy-efficiency). This book is ideal for researchers and engineers focused on semiconductors, integrated circuits, and energy efficient electronics. This book also: · Covers microsystem fabrication, MEMS device design, circuit design, circuit micro-architecture, and CAD · Describes work previously done in the field and also lays the groundwork and criteria for future energy-efficient device and system design · Maximizes reader insights into the design and modeling of micro-relay, micro-relay reliability, integrated circuit design with micro-relays, and more.