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Autore	Ensminger Dale
Titolo	Ultrasonics : fundamentals, technologies, and applications // Dale Ensminger and Leonard J. Bond
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Edizione	[3rd ed.]
Descrizione fisica	1 online resource (732 p.)
Collana	Mechanical engineering
Altri autori (Persone)	BondLeonard J
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Soggetti	Ultrasonic waves - Industrial applications Ultrasonics Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	Front Cover; Contents; Preface to the Third Edition; Preface to the Second Edition; Preface to the First Edition; Acknowledgments; Chapter 1: Ultrasonics: A Broad Field; Chapter 2: Elastic Wave Propagation and Associated Phenomena; Chapter 3: Fundamental Equations Employed in Ultrasonic Design and Applications; Chapter 4: Design of Ultrasonic Horns for High Power Applications; Chapter 5: Basic Design of Ultrasonic Transducers; Chapter 6: Determining Properties of Materials; Chapter 7: Nondestructive Testing: Basic Methods and General Considerations Chapter 8: Use of Ultrasonics in the Nondestructive Testing and Evaluation of MetalsChapter 9: Use of Ultrasonics in the Inspection and Characterization of Nonmetals; Chapter 10: Imaging, Process Control, and Miscellaneous Low-Intensity Applications; Chapter 11: Applications of High-Intensity Ultrasonics: Basic Mechanisms and Effects; Chapter 12: Applications of High-Intensity Ultrasonics Based on Mechanical Effects; Chapter 13: Applications of Ultrasonics Based on Chemical Effects-Sonochemistry; Chapter 14: Medical Applications of Ultrasonic Energy; Glossary; A; B; C; D; E; F; H; I; K; L; M

Sommarioriassunto

"There have been significant advances in the science, the technology employed in commercial systems, and in both the scope and the range of applications of ultrasound since the second edition of this book was published in January 1988. The present edition includes discussion of many of these advances and improvements; additional figures and numerous new references are provided. In 1988 it became a requirement to write technical papers using SI (Standard International) units rather than British units. The parameters reported are now completely described by SI units: Meters now replace feet. Velocity is now in kilometers/sec. Frequency is in Hertz rather than cycles per second and so on. These up-dates and new material, combined with the core content developed for the 2nd edition make it, in effect, a new book"--

2. Record Nr.

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Titolo

The role of the armed forces in the Americas [[electronic resource]] : civil-military relations for the 21st century / / edited by Donald E. Schulz

Pubbl/distr/stampa

Carlisle Barracks, PA : , : Strategic Studies Institute, U.S. Army War College, , [1998]

Collana

Conference report

Altri autori (Persone)

SchulzDonald E. <1942->

Soggetti

Civil-military relations - Latin America
National security - Latin America
Latin America Armed Forces Civic action
Latin America Military policy
Latin America Military relations United States
Latin America Strategic aspects
United States Military relations Latin America

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Nota di bibliografia

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Nota di contenuto

The Americas : the strategic landscape / Michael R. Gonzales --
Building new security relationships in the Americas : the next critical
steps / Richard Downes -- Brazilian national defense policy and civil-
military relations in the government of President Fernando Henrique
Cardoso / Eliezer Rizzo de Oliveira -- Civil-military relations in Latin
America : pitfalls and prospects / Fred F. Woerner -- Armed forces
missions and the strengthening of democracy in the Americas /
Licenciado Luis Tibiletti -- Civil-military relations in the Americas for
the 21st century : a Latin American perspective / Luis Bitencourt Emilio
-- The Colombian army in the 21st century / Jose Bonett Locarno --
The peace process in Guatemala / Victor Manuel Ventura Arellano --
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peacekeeping / Victor Tise -- Subregional cooperation / William
Stanley -- Emerging roles and missions / Andre's Serbin -- The role of
the armed forces in the Americas : conclusions, lessons,
recommendations and unresolved issues / Donald E. Schulz.
