1. Record Nr. UNINA9910465706703321

Titolo	Differential diagnosis and treatment of children with speech disorder [[electronic resource]] / edited by Barbara Dodd
Pubbl/distr/stampa	London ; ; Philadelphia, Pa., : Whurr Publishers, 2010, c2005
ISBN	1-118-71333-8 1-118-71334-6
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (369 p.)
Altri autori (Persone)	DoddBarbara
Disciplina	618.92855075
Soggetti	Speech disorders in children - Diagnosis Speech disorders in children - Diagnosis, Differential Language disorders in children - Diagnosis Language disorders in children - Diagnosis, Differential Electronic books.
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	Cover; Title Page; Contents; Preface; General preface; Contributors; Acknowledgements; Part I Understanding Speech-disordered Children; Chapter 1 Children with speech disorder: defining the problem; Chapter 2Children's acquisition of phonology; Chapter 3Differential diagnosis of phonological disorders; Chapter 4Childhood apraxia of speech; Chapter 5Epidemiology of speech disorders; Chapter 6The relationship between speech disorders and language; Part II Treatment of Phonological Disorders; Chapter 7A problem-solving approach to clinical management Chapter 8A procedure for classification of speech disordersChapter 9Phonological approaches to intervention; Chapter 10Treating inconsistent speech disorders; Chapter 11Childhood apraxia of speech: treatment case studies; Chapter 12Clinical effectiveness; Part III Speech Disorders in Special Populations; Chapter 13Phonological abilities of children with cognitive impairment; Chapter 14Hearing impairment; Chapter 15The relationship between auditory processing and phonological impairment; Chapter 16 Bilingual children with phonological disorders: identification and intervention

	Chapter 17 Understanding the relationship between speech and language impairment and literacy difficulties: the central role of phonologyAppendices; References; Index
Sommario/riassunto	Paediatric speech and language therapists are challenged by diminished resources and increasingly complex caseloads. The new edition addresses their concerns. Norms for speech development are given, differentiating between the emergence of the ability to produce speech sounds (articulation) and typical developmental error patterns (phonology). The incidence of speech disorders is described for one UK service providing crucial information for service management. The efficacy of service provision is evaluated to show that differential diagnosis and treatment is effective for children with dis

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Record Nr.	UNINA9910437889403321
Titolo	Smart materials-based actuators at the micro/nano-scale : characterization, control, and applications / / Micky Rakotondrabe, editor
Pubbl/distr/stampa	New York, : Springer, 2013
ISBN	1-4614-6684-9
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (xii, 271 pages) : illustrations (some color)
Collana	Gale eBooks
Altri autori (Persone)	RakotondrabeMicky
Disciplina	620 620.1/1 620.11 620.5
Soggetti	Actuators - Materials
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	Introduction: Smart Materials as Essential Base for Actuators in Micro/Nanopositioning -- Characterization and Dynamics of Polymer Microactuators -- Design of Piezoelectric Actuators with Guaranteed Performances using the Performances Inclusion Theorem and Interval Tools -- Modeling and Robust H Control of a Nonlinear and

Oscillating 2-dof multimorph cantilevered piezoelectric actuator -- A Hybrid Control Approach to nanopositioning -- Interval modeling and robust feedback control of Piezoelectric-Based Microactuators -- Kalman Filtering and State-Feedback Control of a Nonliear Piezoelectric Cantilevered Actuator -- Intelligent Hysteresis Modeling and Control of Piezoelectric Ac-tuators -- Compensation of Rate-Dependent Hysteresis in a Piezomicropositioning Actuator -- Feedforward Control of Flexible and Nonlinear Piezoelectric Actuators -- Micro/Nanorobotic Manufacturing Thin-film NEMS Force Sensor -- Human Sperm Tracking, Analysis, and Manipulation.

Sommario/riassunto

Smart Materials-Based Actuators at the Micro/Nano-Scale: Characterization, Control, and Applications gives a state of the art of emerging techniques to the characterization and control of actuators based on smart materials working at the micro/nano scale. The book aims to characterize some commonly used structures based on piezoelectric and electroactive polymeric actuators and also focuses on various and emerging techniques employed to control them. This book also includes two of the most emerging topics and applications: nanorobotics and cells micro/nano-manipulation. This book: Provides both theoretical and experimental results Contains complete information from characterization, modeling, identification, control to final applications for researchers and engineers that would like to model, characterize, control and apply their own micro/nano-systems Discusses applications such as microrobotics and their control, design and fabrication of microsystems, microassembly and its automation, nanorobotics and their characterization Smart Materials-Based Actuators at the Micro/Nano-Scale: Characterization, Control, and Applications is ideal for industry professionals, researchers, and undergraduate, Master’s or Ph.D. students interested in the characterization and control of actuators at the micro/nano scale.