Record Nr.	UNINA9910814713203321
Titolo	Where do phonological features come from? : cognitive, physical and developmental bases of distinctive speech categories / / edited by G. Nick Clements Rachid Ridouane
Pubbl/distr/stampa	Amsterdam ; ; Philadelphia, : John Benjamins Pub. Co., 2011
ISBN	1-283-17490-1 9786613174901 90-272-8694-9
Edizione	[1st ed.]
Descrizione fisica	xv, 347 p. : ill. (some col.), port
Collana	Language faculty and beyond ; ; v. 6
Altri autori (Persone)	ClementsGeorge N RidouaneRachid
Disciplina	414
Soggetti	Grammar, Comparative and general - Phonology Speech perception Language acquisition
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	Where Do Phonological Features Come From? Editorial page Title page LCC data Dedication page Table of contents Obituary List of contributors Part 1. Introduction Editors' Overview 1. General and cognitive issues 2. Acoustic and articulatory bases of features 3. Extracting features from the signal 4. Features in phonological development 5. Envoi References Part II. General and cognitive issues Features, segments, and the sources of phonological primitives 1. Introduction 2. The nature of phonological primitives 2.1 The SPE view of the elements of phonology 2.2 The implication of language-specific phonetics 2.3 Distinctive features in characterizing contrast and alternations 2.4 Distinctive feature theory as approximately correct 3. Relationship between adult phonology and acquisition 3.1 Prerequisites for an understanding of language acquisition 3.2 Acquisition of initial consonants in English: A case of covert contrast 3.3 Learning of categories and features 4. Conclusions References Feature economy in natural, random, and synthetic

1.

inventories -- 1. Introduction -- 2. Calculating feature economy -- 3. The feature economy of natural languages -- 3.1 Procedures -- 3.2 The Feature Economist algorithm -- 3.3 Results -- 3.4 Discussion -- 4. The feature economy of random inventories -- 4.1 Procedures -- 4.2 Results -- 4.3 Discussion -- 5. The feature economy of synthetic inventories -- 6. General discussion and conclusions -- References --Part III. Acoustic and articullatory bases of features -- Sound systems are shaped by their users -- 1. Introduction -- 1.1 Topic and goals --1.2 Outline of chapter -- 2. Place and 'perceptual contrast' -- 3. Place and 'articulatory cost' -- 3.1 Clues from physics and biology -- 3.2 Articulatory representations. 3.3 Articulatory effort: A question of how far and fast -- 4. Place and phonetic learning -- 4.1 Targets, motor equivalence and the adaptive organization of speech production -- 4.2 The basic units of speech as dynamic phonetic gestures -- 4.3 Unpacking 'gesture': The formal definition -- 4.4 Targets and phonetic learning -- 4.5 The numerical modeling of motor equivalence -- 4.6 Clues from non-speech -- 4.7 Two developmental hypotheses -- 5. Computational experiments --5.1 The optimization criterion -- 5.2 Motivating the formula -- 6. Results -- 7. Discussion -- 7.1 Universal space of 'possible CV:s' -- 7.2 The origin of discrete recombinant units in phonology --Acknowledgements -- References -- What features underline the /s/ vs. /s'/ contrast in Korean? -- 1. Introduction -- 2. Phonetic considerations -- 2.1 The features [c.g.] and [s.g.] -- 2.2 The features [stiff], [slack] and [tense] -- 2.3 Do we need tone rather than laryngeal features in Korean consonants? -- 2.4 Are fortis consonants geminates or singletons? -- 3. Phonological behavior of the fricatives /s, s'/ in favor of [s.g.] and [tense] -- 3.1 Intensified expressions -- 3.2 Post-Obstruent Tensification -- 3.3 Aspiration -- 3.4 Korean treatment of the English and French fricative [s] -- 3.5 Korean treatment of Japanese geminates -- 4. Some theoretical implications -- 4.1 The specification for the feature [-s.g.] in /s, s'/ -- 4.2 The feature [tense] rather than [voice] in Korean consonants -- 5. Conclusion -- Acknowledgements -- References -- Automaticity vs. feature-enhancement in the control of segmental F0 -- 1. Introduction -- 1.1 Consonant voicing -- 1.2 Vowel intrinsic F0 -- 1.3 German as a test case: The tense-lax opposition -- 1.4 Summary of the issues -- 2. Experimental procedures, speech material and subjects -- 2.1 Subject-specific details -- Subject CK -- Subject CG. Subject SF -- 2.2 Processing of the EMG data: Estimating strength of muscle activation -- 2.3 Time alignment of EMG activity with F0 -- 3. Results -- 3.1 Consonant voicing -- 3.2 Vowel intrinsic F0 -- 3.2.1 A brief return to consonant voicing -- 3.3 Tense vs. Lax Vowels -- 4. General Discussion -- 4.1 Intrinsic F0 and vowel height -- 4.2 Consonant voicing -- 4.3 A different approach to the study of enhancement -- 5. Conclusion -- Acknowledgements -- Appendix --References -- Part IV. Extracting features from the signal --Categorization and Features -- 1. Introduction -- 2. The lingual articulation of /p/ -- 2.1 Subjects and method -- 2.2 Data extraction and analysis -- 2.3 Results -- 2.3.1 Post-consonantal /p/. -- 2.3.2 Pre-vocalic /p/. -- 2.3.3 Individual patterns. -- 2.4 Discussion -- 3. Articulatory demands? -- 4. Phonological evidence? -- 5. Perceptual evidence -- 6. Conclusion -- References -- Features as an emergent product of computing perceptual cues relative to expectations -- 1. Introduction -- 1.1 The search for discreteness in perception -- 1.2 Computing Cues Relative to Expectations -- 2. Vowel-to-vowel coarticulation as a test case -- 2.1 The Corpus -- 3. Testing the Parsing Model -- 3.1 Uncovering Features of the Target Vowel. -- 3.2

Acki trans Bou bour mult psyc perc and 5. C 6. Fi Feat 1. 3.1 ⁻¹ 3.2 I on c crite and eme first word phor Con word or ga Re 2. Ti gene Acki cont Intro	cipating the Context Vowel 4. Discussion and Conclusions nowledgments References Features are phonological sforms of natural boundaries 4. Place of articulation ndaries: Psychoacoustic thresholds vs. contextual flexibility and iple cueing 4.1 Central vs. peripheral vowel contexts: From hhoacoustics to articulatory representations 4.2 How percept- ept couplings contribute to fill the gap between psychoacoustics articulatory representations. onsonants vs. vowels: A special instance of contextual flexibility rom psychoacoustics to phonology References Part V. ures in phonological development Features in child phonology Introduction 2. Some history 3. Theoretical perspectives Fhe search for criteria: How may one define 'having a feature? Problems with the idea of the feature as 'unit' 3.3 Criteria based lass omission or feature spreading 3.4 The minimal pair rion 3.5 Gestural vs. feature analysis 4. Order of emergence the effect of the ambient language 5. Our proposal: Features as rgents from first words 5.1 Micro-level analysis of features in a typological gradient: Continuum in evidence for feature use in first ds 5.2 Transition to a more orderly state: The emergence of nological structure 6. Variability based on recordings 7. cluding reflections: The forest and the trees Appendix I. First ds Group 4 Two or more minimal pairs clear featural nization Appendix II. Variability in first word forms: UK English efferences Phonological features in infancy 1. Introduction neoretical groundwork 3. Infants' learning of phonological eralizations 3. Experiment 5. Conclusions nowledgments References Acoustic cues to stop-coda voicing rasts in the speech of American English 2-3 year-olds 1. douction 2. Methods 3. Results 4. Discussion nowledgments References Language index Subject index.
Sommario/riassunto disti cont use expl anal Voic and and/ inco or ne	ens (2002) postulates that speakers represent words in terms of nctive features, with different acoustic cues signaling the feature rasts in different contexts. Imbrie (2002) suggests that children cues differently from adults in word-onset consonants. This paper ores these differences for word-final stops, using detailed acoustic yses of cues to the voicing contrast in 2 children (2;5 and 3;2). ed coda stops were associated with a long voice bar during closure an epenthetic vowel after release; voiceless coda stops with noisy or glottalized voice quality toward the vowel end, suggesting that mplete control of gestural coordination, immature planning ability, on-adult-like decisions about enhancing feature cues, may persist a after the child is producing recognizable stops.