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On Loanword Phonology

Edited by
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- 7-11 **Kenstowicz, Michael J.** (Massachusetts Institute of Technology. Department of Linguistics); **Cabré, Teresa** (Universitat Autònoma de Barcelona. Centre de Lingüística Teòrica)
Preface. On Loanword Phonology. *Catalan Journal of Linguistics*, 2012, vol. 11, pp. 7-11.

Articles

- 13-39 **Davis, Stuart** (Indiana University. Department of Linguistics); **Tsujimura, Natsuko** (Indiana University. Department of East Asian Languages and Cultures); **Tu, Jung-yueh** (Indiana University. Department of Linguistics)
Toward a Taxonomy of Loanword Prosody. *Catalan Journal of Linguistics*, 2012, vol. 11, pp. 13-39.

Building on previous works (e.g. Kubozono 2006, and Kang 2010), this article attempts to establish a taxonomy for loanword prosody, referring specifically to the patterns of stress, tone, or pitch-accent that are found in loanwords. Toward a taxonomy, we consider the following factors: (i) whether the pronunciation of the word in the source language influences the assignment of prosody in the borrowing language; (ii) whether prosody assignment is aided by rules (or constraints) that are specific to loanwords; and (iii) whether segmental features or suprasegmental features play a role. Exemplification of languages instantiating the taxonomy will be provided with discussion regarding issues that arise from the proposed taxonomy.

Keywords: loanword; prosody; taxonomy.

- 41-63 **Kang, Yoonjung** (University of Toronto Scarborough. Centre for French and Linguistics)
The Adaptation of English Liquids in Contemporary Korean: a Diachronic Study. *Catalan Journal of Linguistics*, 2012, vol. 11, pp. 41-63.

This paper examines the diachronic development of English liquid adaptation in Contemporary Korean (1890-Present) based on a number of loanword lists from different time periods. The examination of initial liquids shows that contrary to common assumption, the initial liquids are often realized as [n], showing that the *Tuim rule* (a rule of initial liquid avoidance) is still active, although marginally. The adaptation of word-medial /l/ varies between singleton [r] and geminate [ll]. A quantitative study finds evidence for both of two competing explanations for

the variation—(1) the singleton adaptation is a remnant of Japanese-mediated loans and (2) the variation is conditioned by the durational characteristics of English input—but the former turns out to be a more dominant factor and the latter plays only a minor role.

Keywords: loanwords; Korean; English; Japanese; diachrony.

65-96 **Kenstowicz, Michael J.** (Massachusetts Institute of Technology. Department of Linguistics)

Cantonese Loanwords: Conflicting Faithfulness in VC Rime Constraints. *Catalan Journal of Linguistics*, 2012, vol. 11, pp. 65-96.

This paper focuses on the ways in which English loanwords are brought into line with four phonotactic constraints that restrict the possible combinations of nuclear vowels and coda consonants in Cantonese Chinese. It is found that three of the four constraints are strictly enforced in loans. Repairs change either the vowel or the coda consonant. Parallel to Mandarin, changes in vowel height features ([high], [ATR]) as opposed to changes in vowel backness are employed. Coda consonant changes obey a dorsal > coronal > labial faithfulness hierarchy that mirrors the typology of coda mergers discovered by Chen (1973) for many Chinese dialects. While changes in both the vowel and coda consonant occur, on-line adaptations favor changing the coda and preserving the vowel and suggest that the relative phonetic salience of the nuclear vowel to the coda consonant still plays a role in these adaptations.

Keywords: loanword adaptation; rime constraints; Cantonese; consonant place hierarchy.

97-126 **Paradis, Carole** (Université Laval. Département de Langues. Linguistique et Traduction); **LaCharité, Darlene** (Université Laval. Département de Langues, Linguistique et Traduction)

The Influence of Attitude on the Treatment of Interdentals in Loanwords: Ill-performed Importations. *Catalan Journal of Linguistics*, 2012, vol. 11, pp. 97-126.

This article treats cross-linguistic variation in the treatment of /θ, ð/ in loanwords. We maintain that the phonological adaptation of /θ, ð/, cross-linguistically, is to /t, d/, that substitution by /f, v/, which occurs in a few languages, is based on faulty perception of the interdental fricatives, and that adaptation to /s, z/, which notably occurs in Japanese, European French and German, represents a flawed production-based attempt to import interdentals. We suggest that such flawed importation occurs when foreign sounds are difficult to produce but the source language holds sufficient prestige that it is deemed important to do so. This proposal is supported by data from, e.g., English, Greek and Classical Arabic. The treatment of interdentals parallels that of the difficult French phoneme /ʒ/ in loanwords in Fula, which also yields a flawed production-based importation, lending further support to our analysis of /θ, ð/ to /s, z/ as flawed importations.

Keywords: loanword adaptation; interdentals; importations; flawed production-based importations.

- 127-166 **Pons-Moll, Clàudia** (Universitat de Barcelona. Departament de Filologia Catalana & Universitat Autònoma de Barcelona. Centre de Lingüística Teòrica)

Loanword Phonology, Lexical Exceptions, Morphologically Driven Underapplication and the Nature of Positionally Biased Constraints. *Catalan Journal of Linguistics*, 2012, vol. 11, pp. 127-166.

In this paper we provide a formal account for underapplication of vowel reduction to schwa in Majorcan Catalan loanwords and learned words. On the basis of the comparison of these data with those concerning productive derivation and verbal inflection, which show analogous patterns, in this paper we also explore the existing —and not yet acknowledged— correlation between those processes that exhibit a particular behaviour in the loanword phonology with respect to the native phonology of the language, those processes that show lexical exceptions and those processes that underapply due to morphological reasons. In light of the analysis of the very same data and taking into account the aforementioned correlation, we show how there might exist a natural diachronic relation between two kinds of Optimality Theory constraints which are commonly used but, in principle, mutually exclusive: positional faithfulness and contextual markedness constraints. Overall, phonological productivity is proven to be crucial in three respects: first, as a context of the grammar, given that «underapplication» is systematically found in what we call the productive phonology of the dialect (including loanwords, learned words, productive derivation and verbal inflection); second, as a trigger or blocker of processes, in that the productivity or the lack of productivity of a specific process or constraint in the language is what explains whether it is challenged or not in any of the depicted situations, and, third, as a guiding principle which can explain the transition from the historical to the synchronic phonology of a linguistic variety.

Keywords: Catalan; underapplication of vowel reduction; loanwords and learned words; differential importation; contextual markedness; positional faithfulness.

- 167-188 **Repetti, Lori** (Stony Brook University, NY. Department of Linguistics) Consonant-final Loanwords and Epenthetic Vowels in Italian. *Catalan Journal of Linguistics*, 2012, vol. 11, pp. 167-188.

The quality of an epenthetic vowel in a particular language may vary depending on segmental and prosodic factors, such as the quality of the surrounding consonants, the quality of other vowels in the words, and the position of the epenthetic vowel within the word. This last factor has received little attention in the literature. I have identified a number of cases in Italian in which the quality of the inserted vowel is determined by its position within the word. Through an in-depth study of loan word integration we see that the choice of the inserted vowel is influenced not only by phonology, but by phonetics and morphology as well.

Keywords: epenthesis; epenthetic vowel quality; paragoge; Italian.

- 189-191 Resums