

**Colin Wilson**  
*Curriculum Vitae (02/10/2008)*

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Department of Cognitive Science, Johns Hopkins University  
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EDUCATION

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1995–2000      Ph.D., Department of Cognitive Science, Johns Hopkins University

*Dissertation:* “Targeted constraints: An approach to contextual neutralization in Optimality Theory.” (chair: Luigi Burzio)

*Research interests:* Phonological theory (contextual neutralization; phonological opacity; output-output faithfulness and the phonology/morphology interface; derivations and optimization), Experimental phonology, Psycholinguistics, Computational and mathematical modeling.

1991–1995      B.A. with Honors in Linguistics,  
University of Colorado, Boulder, CO

ACADEMIC EMPLOYMENT

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2007–2008      Visiting Assistant Professor, Cognitive Science Department, JHU

2007–present    Associate Professor, Department of Linguistics, UCLA  
Promoted to Associate 02/08 (retroactively effective 07/07)  
On leave AY 2007–2008

2000–2007      Assistant Professor, Department of Linguistics, UCLA

Undergraduate courses

*Introduction to Linguistics* (UCLA Ling 20): Fall 2002, Spring 2003, Spring 2006

*Phonology I* (UCLA Ling 120A): Winter 2003, Fall 2006

*Phonology I* (JHU 050.325/625): Spring 2008

*Phonology II* (UCLA Ling 165A): Spring 2002, Spring 2006

*Language Development* (UCLA Ling 130\*, with Nina Hyams): Fall 2001, Winter 2003

*Language Processing* (UCLA Ling 132): Fall 2001 (with Carson Schütze), Spring 2003 (with Prof. Carson Schütze), Winter 2007

*Neurolinguistics* (UCLA Ling 135\*, with Susie Curtiss): Winter 2002, Spring 2003

\*Ling 130, 132, and 135 were cross-listed graduate courses Fall 2001–Spring 2003.

Graduate courses

*Phonological Theory I* (UCLA Ling 200A): Fall 2002, Fall 2003, Fall 2006

*Phonological Theory II* (UCLA Ling 201): Winter 2005

*Experiment Phonology* (UCLA Ling 217): Fall 2000 (as Ling 251), Winter 2002,  
Spring 2004, Fall 2005 (with Patricia Keating), Winter 2007

*Seminar on Targeted Constraints* (UCLA Ling 251): Spring 2001

*Seminar on Phonotactics* (UCLA Ling 251): Spring 2005 (with Bruce Hayes)

External teaching

*Analytic Bias in Phonology* (4 week course, with Donca Steriade), Linguistic Society  
of America (LSA) 2007 Summer Institute, July 5-27, 2007

*Introduction to Phonology* (4 class sessions), EALing (Fall School in Linguistics),  
Département d'études cognitives, École Normale Supérieure, Paris, 2003

1995–1999      Teaching Assistant, Department of Cognitive Science,  
Johns Hopkins University

*Courses assisted*

Sound Structure in Natural Language (050.325/625), Luigi Burzio and Paul  
Smolensky

Foundations of Cognitive Science (050.326/626), Paul Smolensky

Introduction to Optimality-theoretic Syntax (050.321/621), Géraldine Legendre

Language and Mind (050.102), William Badecker

Cognition (050.101), Brenda Rapp

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WORK IN PROGRESS

Invited review of McCarthy (2007), *Hidden Generalizations: Phonological Opacity in Optimality Theory*, to appear in *Journal of Linguistics* (in prep.)

Phonological Opacity (invited chapter for the revised version of *The Handbook of Phonological Theory*, ed. John Goldsmith, Jason Riggle, and Alan Yu) (in prep.)

Stochastic Ranking as Recursive Choice (in prep.)

Cross-linguistic perceptual differences do not emerge from realistic lexicons: a reply to Johnson (2003) (in prep.)

Counterfeeding From the Past (critical remark on McCarthy's 2006 OT-CC) (11pp)

Unbounded Spreading is Myopic (approx. 60pp. ms.)

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PUBLICATIONS

To appear      A Maximum Entropy Model of Phonotactics and Phonotactic Learning

(with Bruce Hayes). *Linguistic Inquiry*.

- 2006 Learning Phonology with Substantive Bias: An Experimental and Computational Study of Velar Palatalization. *Cognitive Science* 30.5, 945-982. [Draft version in *UCLA Working Papers in Linguistics 11: Working Papers in Phonology 6*, ed. Jeffrey Heinz, Andy Martin, and Katya Pertsova, pp. 93-134.]
- Local Optionality (with Jason Riggle). In *Proceedings of the Thirty-Fifth Annual Meeting of the North East Linguistic Society*, vol. 2, ed. Leah Bateman and Cherlon Ussery. Charleston, SC: BookSurge.
- 2003 Experimental Investigation of Phonological Naturalness. In *Proceedings of the 22nd West Coast Conference on Formal Linguistics*, ed. Gina Garding and Mimu Tsujimura, pp. 533-546. Somerville, MA: Cascadilla Press.
- 2001 Consonant Cluster Neutralization and Targeted Constraints. *Phonology* 18, 147-197.
- Bidirectional Optimization and the Theory of Anaphora. In *Optimality-Theoretic Syntax*, ed. Géraldine Legendre, Jane Grimshaw, and Sten Vikner, pp. 465-508. Cambridge, MA: MIT Press.
- Prosodic Structure and *wh*-Questions (with Kathleen Straub, Courtney McCollum, and William Badecker). *Journal of Psycholinguistic Research*, 30.4, 379-394.
- 2000 Transparency, Strict Locality, and Targeted Constraints (with Eric Bakovic). In *Proceedings of the 19th West Coast Conference on Formal Linguistics*, ed. Roger Billerey and Brook Danielle Lillehaugen, pp. 43-56. Somerville, MA: Cascadilla Press.
- 1998 When is Less More? Faithfulness and Minimal Links in *wh*-Chains (with Géraldine Legendre and Paul Smolensky). In *Is the Best Good Enough? Optimality and Competition in Syntax*, ed. Pilar Barbosa, Danny Fox, Paul Hagstrom, Martha McGinnis, and David Pesetsky, pp. 249-289. Cambridge, MA: MIT Press.
- 1995 “Optimality in *wh*-Chains” (with Géraldine Legendre, Paul Smolensky, Kristin Homer, and William Raymond), in *University of Massachusetts Occasional Papers in Linguistics 18: Papers in Optimality Theory*, ed. Jill Beckman, Suzanne Urbanczyk, and Laura Walsh, pp. 607-636. Amherst: GLSA.

INVITED TALKS

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- 2008 Tutorial and commentary for session “How the Cognitive System Shapes Phonology”, Hopkins Workshop on Language 4, Johns Hopkins University, October 12–14.
- 2007 “Learning constraint rankings in the presence of noise”, University of Chicago, April 26.
- “Artificial grammar and implicational universals”, Workshop: Towards an Artificial Grammar Learning Paradigm in Phonology, Annual Meeting of the Linguistic Society of America (LSA), Anaheim, January 6.
- 2006 “Unbounded spreading is myopic”, Workshop on Current Perspectives in Phonology, University of Indiana, Bloomington, June 23.
- “Ranking as recursive choice”, MIT, December 1.
- 2005 “Similarity and bias in phonological learning”, Rumelhart Prize Symposium, XXVII Annual Conference of the Cognitive Science Society, Stresa, Italy, July 22.
- “Asymmetric generalization of velar palatalization: Experimental evidence for substance in phonology”, NYU, October 25, 2004 and UC Santa Barbara, January 20.
- “Localizing constraint violation: Theoretical consequences of myopic spreading”, Hopkins Workshop on Language 3, Johns Hopkins University, January 14.
- 2003 “Experimental Phonology and Phonological Naturalness: Nasal Assimilation and Dissimilation vs. Random Alternations,” UC Santa Cruz, May 2, and Johns Hopkins University, April 3.
- “Unbounded Spreading in OT (or, Unbounded Spreading is Local Spreading Iterated Unboundedly),” Southwest Optimality Theory Workshop, University of Arizona, Tucson, April 24-26.
- “Analytic Bias in Artificial Phonology Learning: Consonant Harmony vs. Random Alternation,” Workshop on Markedness and the Lexicon, MIT, January 25.
- 2002 “Unbounded Spreading is Local Spreading Iterated Unboundedly,” USC, May 7.
- 2001 “The Theory of Targeted Constraints: Typology, Opacity, and Learnability,” UC Santa Cruz, December 7.

- “The Targeted Constraint Approach to Phonological Opacity,” UC Irvine, June 8.
- “Learning Phonotactic Distributions with Targeted Constraints,” UCSD, May 18, and Southwest Optimality Theory Workshop, USC, April 22.
- 2000 “Targeted Constraints, Contextual Neutralization and Phonological Opacity,” UCLA, February 8.
- “Recoverability, Violability and Ineffability in Syntax and Phonology” (presented by Paul Smolensky), Conference on the Optimization of Interpretation, UiL OTS, Utrecht University, January 5.
- 1999 “Consonant Cluster Neutralization and Targeted Constraint,” Workshop on the Lexicon in Phonetics and Phonology, University of Alberta, June 13.
- 1998 “Two Arguments for Bidirectional Optimization” (November 13) and two invited lectures on bidirectional optimization and anaphora, Workshop on Optimality Theory Syntax, Universität Stuttgart, November 15-16.
- 1997 “Absolute Harmony, Relativized Minimality, and Blocking,” Hopkins Optimality Theory Workshop / University of Maryland Mayfest, Johns Hopkins University, May 9.
- 1996 “Bidirectional Optimization for the Binding Theory,” Workshop on Optimality Theory and Cognition, Stanford University, December 7.
- 1995 “When is Less More? Faithfulness and Minimal Links in *wh*-Chains” (with Géraldine Legendre and Paul Smolensky), Is the Best Good Enough? Workshop on Optimality in Syntax, MIT, May 19.

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REFERREED CONFERENCE TALKS AND POSTERS

- 2008 (accepted) “Replicator dynamics of speech perception and categorization” (with Michael Wolmetz and Paul Smolensky), Laboratory Phonology 11, Wellington, New Zealand, June 30 – July 2.
- 2007 “A maximum entropy model of phonotactics and phonotactic learning” (with Bruce Hayes), Annual Meeting of the Linguistic Society of America (LSA), Anaheim, January 4.
- 2005 “Local Optionality” (with Jason Riggle), North East Linguistic Society (NELS) 35 (poster session), Storrs, Connecticut, October 22.

- 2004 “Laryngeal markedness and the typology of repair” (presented by Eric Bakovic), Annual Meeting of the Linguistic Society of America (LSA), Boston, January 9.
- 2003 “Experimental Phonology and Phonological Naturalness: Nasal Assimilation and Dissimilation vs. Random Alternations,” West Coast Conference on Formal Linguistics (WCCFL) 21, UCSD, April 3.
- 2001 “Phonotactic Learning with Targeted Constraints,” North East Linguistic Society (NELS) 32, CUNY Graduate Center and NYU, October 21.
- 2000 “Transparency, Strict Locality, and Targeted Constraints” (with Eric Bakovic), West Coast Conference on Formal Linguistics (WCCFL) 19, UCLA, February 4-6.
- 2000 “Targeted Constraints and Contextual Neutralization in Optimality Theory,” Meeting of the Linguistic Society of America, Chicago, January 6-9.
- 1999 “Consonant Cluster Neutralization, Harmonic Ordering, and Targeted Constraints,” GLOW Workshop on Phonetics in Phonology, University of Potsdam, April 1.
- 1999 “Bidirectional Optimization for the Binding Theory,” NELS 29 (poster session), University of Delaware, October 16-18.
- 1998 “Prosodic Cues and *wh*-Constructions” (with Courtney McCollum, Kathleen Straub, William Badecker), CUNY 11 (poster session), Rutgers University, March 19-21.

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RESEARCH GRANTS AND AWARDS

- 2005 “Infant Learning of Natural and Unnatural Phonology” (\$3000), UCLA Faculty Grants Program
- 2004 UCLA Career Development Award (1-quarter sabbatical)
- “Phonological Naturalness and Artificial Grammar” (\$2800), UCLA Faculty Grants Program
- 2003 “Phonological Naturalness and Artificial Grammar” (\$1500), UCLA Faculty Grants Program
- 2001 “Experimental Investigation of Phonological Markedness” (\$2,190), UCLA Faculty Grants Program

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RESEARCH SOFTWARE

UCLA Phonotactic Learner (Java implementation of the learner described in Hayes & Wilson, to appear)

Perl scripts for calculating phonotactic probability, lexical neighborhood density, etc.

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GRADUATE STUDENTS ADVISED

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Ph.D. (non-chair member of committee unless otherwise indicated)

Kuniko Nielsen, Jeffrey Heinz (2007), Andrew Martin (2007), Katya Pertsova (2007), Shabnam Shademan (2007), Greg Kobele (2006), Shigeo Sekine (2006, co-chair with Nina Hyams), Daniel Albro (2005), Heidi Fleischhacker (2005), Sahyang Kim (2004), Jason Riggle (2004), Alex MacBride (2003)

M.A. (non-chair member of committee unless otherwise indicated)

Victoria Thatte (2007, chair), Sameer Khan (2006), Molly Shilman (2005), Kuniko Nielsen (2004), Katya Pertsova (2004), Jason Riggle (2002), Shabnam Shademan (2002), Rebecca Scarborough (Brown) (2001, co-chair with Patricia Keating)

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PROFESSIONAL ASSOCIATIONS/ACTIVITIES

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| 2007–        | Reviewer for <i>Linguistic Inquiry</i>  |
| 2005–        | Reviewer for <i>Cognitive Science</i>   |
| 2003         | Revised the <i>Phonology</i> chapter of Fromkin, Rodman & Hyams 2003, <i>An Introduction to Language</i> , 7th ed., Boston, MA: Heinle. |
| 2002–        | Reviewer for <i>Phonology</i>   |
| 1999         | Reviewer for <i>Optimality-Theoretic Syntax</i> , ed. Géraldine Legendre, Jane Grimshaw, and Sten Vikner, Cambridge, MA: MIT Press.     |
| 1999-present | Member of the Linguistic Society of America   |

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UNIVERSITY COMMITTEE SERVICE

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| 2005–2007 | UCLA Committee on Diversity and Equal Opportunity (CODEO), chair Jody Kreiman) |
| 2002–2004 | Reviewer for UCLA Faculty Grant Program  |

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COMMUNITY SERVICE

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| 2005–2006 | Appalachia Service Project (1 week each summer) |
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