

Bruce B. Tesar

Department of Linguistics, Rutgers University
18 Seminary Place
New Brunswick, NJ 08901-1184

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Citizenship: USA

DEGREES

Ph.D. in Computer Science University of Colorado, Boulder	1995 Boulder, CO
Graduate Certificate in Cognitive Science Institute for Cognitive Science, University of Colorado	1993 Boulder, CO
M.S. in Computer Science University of Colorado, Boulder	1992 Boulder, CO
B.S. summa cum laude Western Michigan University Majors: Computer Science and Mathematics Minors: Philosophy and Religion	1990 Kalamazoo, MI

EMPLOYMENT

Professor Linguistics Dept. / Center for Cognitive Science Rutgers University	2015-present New Brunswick, NJ
Associate Professor Linguistics Dept. / Center for Cognitive Science Rutgers University	2003-2015 New Brunswick, NJ
Assistant Professor Linguistics Dept. / Center for Cognitive Science Rutgers University	1998-2003 New Brunswick, NJ
Research Associate Faculty Linguistics Dept. / Center for Cognitive Science Rutgers University	1997-98 New Brunswick, NJ
Research Assistant Faculty Linguistics Dept. / Center for Cognitive Science Rutgers University	1995-97 New Brunswick, NJ

National Science Foundation Graduate Fellow University of Colorado, Boulder	1991-95 Boulder, CO
Research Assistant (with Paul Smolensky) University of Colorado, Boulder	1993-94 Boulder, CO
Teaching Assistant University of Colorado, Boulder	1990-91 Boulder, CO
Computer Programmer (part time contract employee) Biostatistics Unit, The Upjohn Company	1985-90 Kalamazoo, MI

PROFESSIONAL AWARDS

Award for Distinguished Contributions to Undergraduate Education, School of Arts and Sciences, Rutgers University, 2023.

Alumni Achievement Award, Department of Computer Science, Western Michigan University, 1999.

National Science Foundation Graduate Fellowship in Computer Science, 1991-95.

Phi Kappa Phi Graduate Fellowship, 1990-91.

Outstanding Senior in Computer Science, Theory and Analysis Major, Department of Computer Science, Western Michigan University, 1990.

Presidential Scholar, Department of Mathematics and Statistics, Western Michigan University, 1989.

Member, Association for Computational Linguistics.

Member, The Cognitive Science Society.

Member, The Linguistic Society of America.

Member, Society for Language and Development.

Member, Phi Beta Kappa (national honor society), Western Michigan University.

Member, Phi Kappa Phi (national honor society), Western Michigan University.

Member, Pi Mu Epsilon (mathematics honor society), Western Michigan University.

Member, Upsilon Pi Epsilon (computer science honor society), Western Michigan University. Vice-President, 1988-89.

Member, Western Michigan University Putnam Exam Team (mathematics competitive exam), 1986-1988.

Member, Lee Honors College, Western Michigan University, 1984-90.

PUBLICATIONS

Books

- [1] Tesar, Bruce. (2014). *Output-Driven Phonology*. Cambridge University Press.
- [2] Tesar, Bruce, & Paul Smolensky. (2000). *Learnability in Optimality Theory*. MIT Press.

Journal Articles

- [3] Nyman, Alexandra and Bruce Tesar. (2019). Determining underlying presence in the learning of grammars that allow insertion and deletion. *Glossa: A Journal of General Linguistics* 4(1): 37. 1–41. DOI: <https://doi.org/10.5334/gjgl.603>
- [4] Tesar, Bruce. (2016). Phonological Learning with Output-Driven Maps. *Language Acquisition* 24:2. 148-167. DOI: <https://doi.org/10.1080/10489223.2016.1223079>
- [5] Tesar, Bruce. (2006). Faithful contrastive features in learning. *Cognitive Science* 30:5. 863-903. DOI: https://doi.org/10.1207/s15516709cog0000_84
- [6] Tesar, Bruce. (2004). Using inconsistency detection to overcome structural ambiguity in language learning. *Linguistic Inquiry* 35:2. 219-253. DOI: <https://doi.org/10.1162/002438904323019057>
- [7] Tesar, Bruce, & Paul Smolensky. (1998). Learning Optimality-Theoretic grammars. *Lingua* 106. 161-196.
- [8] Tesar, Bruce. (1998). An iterative strategy for language learning. *Lingua* 104. 131-145.
- [9] Tesar, Bruce, & Paul Smolensky. (1998). Learnability in Optimality Theory. *Linguistic Inquiry* 29:2. 229-268. DOI: <https://doi.org/10.1162/002438998553734>

Chapters in Edited Volumes

- [10] Tesar, Bruce. (2007). Learnability. In Paul de Lacy, ed., *The Cambridge Handbook of Phonology*, Cambridge University Press. 555-574.
- [11] Smolensky, Paul, Géraldine Legendre, & Bruce Tesar. (2006). Optimality Theory: The structure, use, and acquisition of grammatical knowledge. In Paul Smolensky & Géraldine Legendre, *The Harmonic Mind*, Chapter 12. MIT Press. 453-544.
- [12] Smolensky, Paul, & Bruce Tesar. (2006). Symbolic computation with activation patterns. In Paul Smolensky & Géraldine Legendre, *The Harmonic Mind*, Chapter 7. MIT Press. 235-270.
- [13] Prince, Alan, & Bruce Tesar. (2004). Learning phonotactic distributions. In Rene Kager, Joe Pater, and Wim Zonneveld (eds.), *Fixing Priorities: Constraints in Phonological Acquisition*. Cambridge University Press. 245-291.
- [14] Tesar, Bruce. (2003). Learnability: Learning Theory and Grammars. In Frawley, William (ed.), *The Oxford International Encyclopedia of Linguistics (2nd Edition)*. Oxford University Press. 434-437.

- [15] Tesar, Bruce, & Paul Smolensky. (2003). Learnability in Optimality Theory. In McCarthy, John (ed.), *Optimality Theory in Phonology: A Book of Readings*. Blackwell. 118-140. Excerpted reprint of Tesar & Smolensky (1998).
- [16] Tesar, Bruce. (2003). Computing optimal forms in Optimality Theory: Basic syllabification. In McCarthy, John (ed.), *Optimality Theory in Phonology: A Book of Readings*. Blackwell. 101-117. Excerpted reprint of Tesar (1995).
- [17] Tesar, Bruce. (2000). On the roles of optimality and strict domination in language learning. In Joost Dekkers, Frank van der Leeuw, and Jereon van de Weijer (eds.), *Optimality Theory: Phonology, Syntax, and Acquisition*. Oxford University Press. 592-620.
- [18] Tesar, Bruce, Jane Grimshaw, & Alan Prince. (1999). Linguistic and cognitive explanation in Optimality Theory. In Ernest Lepore & Zenon Pylyshyn (eds.), *What is Cognitive Science?* Blackwell. 295-326.
- [19] Tesar, Bruce. (1998). Error-driven learning in Optimality Theory via the efficient computation of optimal forms. In Pilar Barbosa, Danny Fox, Paul Hagstrom, Martha McGinnis, & David Pesetsky (eds.), *Is the Best Good Enough? Optimality and Competition in Syntax*. MIT Press and MITWPL. 421-435.

Conference Proceedings

- [20] Tesar, Bruce. (2014). When worst is best: Grammar construction in phonological learning. *Proceedings of the Forty-Third Conference of the North East Linguistics Society (2012)*. 167-180.
- [21] Tesar, Bruce. (2012). Learning phonological grammars for output-driven maps. *Proceedings of the Thirty-Ninth Conference of the North East Linguistics Society (2008)*. 785-798.
- [22] Merchant, Nazarré, & Bruce Tesar. (2008). Learning underlying forms by searching restricted lexical subspaces. *Proceedings of the Forty-First Conference of the Chicago Linguistic Society (2005), vol. II: The Panels*. 33-47.
- [23] Tesar, Bruce, & Alan Prince. (2007). Using phonotactics to learn phonological alternations. *Proceedings of the Thirty-Ninth Conference of the Chicago Linguistics Society (2003), vol. II: The Panels*. 209-237.
- [24] Tesar, Bruce. (2006). Learning from paradigmatic information. *Proceedings of the Thirty-Sixth Conference of the North East Linguistics Society (2005)*. 619-638.
- [25] Alderete, John, Adrian Brasoveanu, Nazarré Merchant, Alan Prince, & Bruce Tesar. (2005). Contrast analysis aids in the learning of phonological underlying forms. *Proceedings of the Twenty-Fourth West Coast Conference on Formal Linguistics (2005)*. 34-42.
- [26] Tesar, Bruce, John Alderete, Graham Horwood, Nazarré Merchant, Koichi Nishitani, & Alan Prince. (2003). Surgery in language learning. *Proceedings of the Twenty-Second West Coast Conference on Formal Linguistics (2003)*. 477-490.

- [27] Tesar, Bruce. (2002). Enforcing grammatical restrictiveness can help resolve structural ambiguity. *Proceedings of the Twenty-First West Coast Conference on Formal Linguistics (2002)*. 443-456.
- [28] Tesar, Bruce. (1999). Robust interpretive parsing in metrical stress theory. *Proceedings of the Seventeenth West Coast Conference on Formal Linguistics (1998)*. 625-639.
- [29] Tesar, Bruce. (1998). Using the mutual inconsistency of structural descriptions to overcome ambiguity in language learning. *Proceedings of the Twenty-Eighth Conference of the North Eastern Linguistic Society (1997)*. 469-483.
- [30] Tesar, Bruce. (1997). An iterative strategy for learning metrical stress in Optimality Theory. *Proceedings of the Twenty-First Annual Boston University Conference on Language Acquisition (1996)*. 615-626.
- [31] Tesar, Bruce. (1996). Computing optimal descriptions for Optimality Theory grammars with context-free position structures. *Proceedings of the Thirty-Fourth Annual Meeting of the Association for Computational Linguistics (1996)*. 101-107.
- [32] Tesar, Bruce, & Paul Smolensky. (1994). The learnability of Optimality Theory. *Proceedings of the Thirteenth West Coast Conference on Formal Linguistics (1994)*. 122-137.
- [33] Tesar, Bruce, & Paul Smolensky. (1994). Synchronous firing variable binding is a tensor product representation with temporal role vectors. *Proceedings of the Sixteenth Annual Conference of the Cognitive Science Society (1994)*. 870-75.
- [34] Tesar, Bruce. (1993). Optimality semantics. *Proceedings of the 1993 Connectionist Models Summer School*. 138-145.
- [35] Tesar, Bruce, John Kapenga, & Robert Trenary. (1989). A Boltzmann Machine solution to the Traveling Salesperson Problem: Towards a parallel implementation. *Proceedings of the IEEE TENCON '89 Conference (1989)*. Bombay, India. 142-44.

Submitted for Publication

Other Work

- [36] Tesar, Bruce. (2015). Contrast in the Time of ODP. Talk slides, in *Short 'schrift for Alan Prince*, compiled by Eric Baković. <https://princeshortschrift.wordpress.com/squibs/tesar/>
- [37] Tesar, Bruce. (2008). Output-Driven Maps. Manuscript, Linguistics Dept., Rutgers University. March.
- [38] Tesar, Bruce. (2007). A Comparison of Lexicographic and Linear Numeric Optimization Using Violation Difference Ratios. Manuscript, Linguistics Dept., Rutgers University. December.
- [39] Tesar, Bruce. (2004). Contrast analysis in phonological learning. Manuscript, Linguistics Dept., Rutgers University. November.

- [40] Alderete, John, & Bruce Tesar. (2002). Learning covert phonological interaction: An analysis of the problem posed by the interaction of stress and epenthesis. Technical Report TR-72, September 2002. Rutgers Center for Cognitive Science, Rutgers University, New Brunswick.
- [41] Tesar, Bruce. (2000). Using inconsistency detection to overcome structural ambiguity in language learning. Technical Report TR-58, September 2000. Rutgers Center for Cognitive Science, Rutgers University, New Brunswick.
- [42] Prince, Alan, & Bruce Tesar. (1999). Learning phonotactic distributions. Technical Report TR-54, October 1999. Rutgers Center for Cognitive Science, Rutgers University, New Brunswick.
- [43] Tesar, Bruce. (1997). Multi-Recursive Constraint Demotion. Ms., Rutgers University.
- [44] Tesar, Bruce, & Paul Smolensky. (1996). Learnability in Optimality Theory (long version). Technical Report JHU-CogSci-96-3, August 1996. Department of Cognitive Science, The Johns Hopkins University.
- [45] Tesar, Bruce, & Paul Smolensky. (1996). Learnability in Optimality Theory (short version). Technical Report JHU-CogSci-96-2, August 1996. Department of Cognitive Science, The Johns Hopkins University.
- [46] Tesar, Bruce. (1995). Computational Optimality Theory. Ph.D. Dissertation, Department of Computer Science, University of Colorado, Boulder.
- [47] Tesar, Bruce. (1995). Computing optimal forms in Optimality Theory: Basic syllabification. Technical Report CU-CS-763-95, February 1995. Department of Computer Science, University of Colorado, Boulder.
- [48] Tesar, Bruce. (1994). Parsing in Optimality Theory: A dynamic programming approach. Technical Report CU-CS-714-94, April 1994. Department of Computer Science, University of Colorado, Boulder.
- [49] Tesar, Bruce, & Paul Smolensky. (1993). The Learnability of Optimality Theory: An algorithm and some basic complexity results. Technical Report CU-CS-678-93, October 1993. Department of Computer Science, University of Colorado at Boulder.
- [50] Tesar, Bruce. (1990). Investigations of Parallel Implementations of Boltzmann Machines. Undergraduate Honors Thesis. Lee Honors College, Western Michigan University, Kalamazoo, MI.

PROFESSIONAL ACTIVITIES

Invited Conference Presentations

Learnability and phonological maps. The Implications of Computation and Learnability for Phonological Theory workshop, at the 38th Generative Linguistics in the Old World (GLOW38) conference. Paris, France. April 18, 2015.

- Phonological learning with output-driven maps. The 6th Generative Approaches to Language Acquisition – North America (GALANA6) conference. University of Maryland, College Park, MD. February 20, 2015.
- Learning phonological grammars for output-driven maps. Learnability Meets Acquisition Workshop, 31st Jahrestagung der Deutsche Gesellschaft für Sprachwissenschaft, Osnabrück, Germany. March 4, 2009.
- Output-Driven Maps. Mathematics Association of America Seaway Section and New York Association of Two Year Colleges Fall 2007 Meeting. Monroe Community College, Rochester, NY. October, 2007.
- Learning from paradigmatic information. The Thirty-Sixth Conference of the North East Linguistics Society. University of Massachusetts, Amherst. October, 2005.
- Phonological contrast in learning. Grammar in Phonological Cognition: A Symposium in Honor of Paul Smolensky, at The Twenty-Seventh Annual Conference of the Cognitive Science Society. Stresa, Italy. July, 2005.
- Using Phonotactics to Learn Phonological Alternations. The Thirty-Ninth Conference of the Chicago Linguistics Society. Chicago, IL. April, 2003.
- Constraint Interaction and Distributional Learning. Workshop on Early Phonological Acquisition. Carry-le-Rouet, France, October 2001.
- Learnability, Optimization, and Grammar (presented jointly with Alan Prince). Workshop on Language Learning and Evolution. Institute for Advanced Study, Princeton, NJ. May 2001.
- Learnability of Optimality-Theoretic Grammars. AAAS Annual Meeting. San Francisco, February 2001.
- Overcoming Structural Ambiguity in Language Learning. NELS30 Workshop on Language Learnability. Rutgers University, New Brunswick, October, 1999.
- Optimality in Acquisition and Processing (presented jointly with Suzanne Stevenson). Twelfth Annual CUNY Conference on Human Sentence Processing. CUNY Graduate Center, March, 1999.
- Multi-Recursive Constraint Demotion. Hopkins Optimality Workshop / Maryland Mayfest. Baltimore, May, 1997.
- Robust Interpretive Parsing and its Role in Language Learning. Winter Optimality Theory Workshop. Stanford University, December, 1996.
- An Iterative Strategy for Language Learning. BCN Workshop on Conflicting Constraints. Groningen University, The Netherlands. July, 1996.
- Formal Results in the Learnability of Optimality Theory. Maryland Mayfest: Formal Approaches to Language Learnability. May, 1995.
- Grammar as Non-Numerical Optimization: Universal Grammar, Learnability, and Parsing in Optimality Theory. Annual Conference of the Association for Computational Linguistics, June, 1994.
- Optimality Theory: Universal Grammar, Learnability, and Processing. Conference on Linguistics, Cognitive Science, and Childhood Language Disorders. New York, NY, April, 1994.

The Learnability of Optimality Theory. Rutgers Optimality Workshop. New Brunswick, NJ. October, 1993.

Contributed Conference Presentations

Enforcing restrictiveness through ranking induction in the Output-Driven Learner. Poster presented with Morgan Moyer. The 93rd Annual Meeting of the Linguistic Society of America. New York City, NY. January 2019.

Phonological learning with output-driven maps. The Eighth North American Phonology Conference. Montreal, Canada. May, 2014.

Output-driven maps in phonology. Workshop on Opacity in Grammar (WOPiG). Leipzig, Germany. October, 2013.

When worst is best: Grammar construction in phonological learning. The Forty-Third Conference of the North East Linguistics Society. New York City, NY. October, 2012.

Output-driven maps in phonology. The Seventh North American Phonology Conference. Montreal, Canada. May, 2012.

Learning phonological grammars for output-driven maps. The Thirty-Ninth Annual Conference of the North Eastern Linguistics Society. Ithaca, NY. November, 2008.

Using local lexica to learn ranking information and underlying feature values (with Nazarré Merchant). The Fourth North American Phonology Conference. Montreal, Canada. May, 2006.

Learning underlying forms by searching restricted lexical subspaces (with Nazarré Merchant). The Forty-First Conference of the Chicago Linguistic Society. Chicago, IL. April 2005.

Contrast analysis aids in the learning of phonological underlying forms. The Twenty-Fourth West Coast Conference on Formal Linguistics. Vancouver, BC. March, 2005.

Surgery in Language Learning. The Twenty-Second West Coast Conference on Formal Linguistics. San Diego, CA. March, 2003.

Enforcing Grammatical Restrictiveness Can Help Resolve Structural Ambiguity. The Twenty-First West Coast Conference on Formal Linguistics. Santa Cruz, CA. April, 2002.

Using the Mutual Inconsistency of Structural Descriptions to Overcome Ambiguity in Language Learning. The Twenty-Eighth Annual Conference of the North Eastern Linguistics Society. Toronto, Canada. October, 1997.

An Iterative Strategy for Learning Metrical Stress in Optimality Theory. The Twenty-First Annual Boston University Conference on Language Development. Boston, MA. November, 1996.

Computing Optimal Descriptions for Optimality Theory Grammars with Context-Free Position Structures. The Thirty-Fourth Annual Meeting of the Association for Computational Linguistics. Santa Cruz, CA. June, 1996.

Error-Driven Learning in Optimality Theory via the Efficient Computation of Optimal Forms. The MIT Conference on Optimality in Syntax. Cambridge, MA. May, 1995.

Synchronous Firing Variable Binding is a Tensor Product Representation with Temporal Role Vectors. The Sixteenth Annual Conference of the Cognitive Science Society. Atlanta, GA. August, 1994.

The Learnability of Optimality Theory. The Thirteenth West Coast Conference on Formal Linguistics. San Diego, CA. March, 1994.

A Boltzmann Machine Solution to the Traveling Salesperson Problem: Towards a Parallel Implementation. The IEEE TENCON'89 Conference. Bombay, India. November, 1989.

Colloquium Presentations

“Output-Driven Phonology.” Linguistics Colloquium, Rutgers University. December 2014.

“When Worst is Best: Grammar Construction in Phonological Learning.” Linguistics and Cognitive Science Colloquium, University of Delaware. October 2014.

“Learning Phonological Grammars for Output-Driven Maps.” Linguistics and Cognitive Science Colloquium, University of Delaware. April 2011.

“Learning Phonological Grammars for Output-Driven Maps.” Linguistics Colloquium, SUNY Stony Brook. March 2009.

“Learning and Surgery.” Linguistics Colloquium, University of California, Los Angeles. January, 2003.

“Learning Phonotactic Distributions.” Linguistics Colloquium, University of Massachusetts at Amherst (joint with Alan Prince). November, 2001.

“Learning Phonotactic Distributions.” Linguistics Colloquium, University of Pennsylvania. April, 2001.

“The Algebra of Meaning: An Analysis of Plurality.” Mathematics / Computer Science Colloquium, Western Michigan University, April, 2001.

“Overcoming Ambiguity in Language Learning.” Cognitive Science Colloquium, The Johns Hopkins University. November, 2000.

“Overcoming Ambiguity in Language Learning.” Cognitive Science Colloquium, Washington University in St. Louis. October, 2000.

“Overcoming Ambiguity in Language Learning.” Linguistics Colloquium, SUNY Stony Brook. April, 2000.

“Overcoming Ambiguity in Language Learning.” Computer Science Colloquium, Western Michigan University. March, 2000.

“Overcoming Ambiguity in Language Learning.” Linguistics Colloquium, Rochester University. February, 2000.

“Overcoming Ambiguity in Language Learning.” Linguistics Colloquium, MIT. November, 1999.

“Overcoming Ambiguity in Language Learning.” Linguistics Colloquium, New York University. October, 1999.

“Overcoming Ambiguity in Language Learning.” Philosophy Colloquium, Carnegie Mellon University. April, 1999.

- “Using the Mutual Inconsistency of Structural Descriptions to Overcome Ambiguity in Language Learning.” Psycholinguistics Colloquium, CUNY Graduate Center. October, 1998.
- “Using the Mutual Inconsistency of Structural Descriptions to Overcome Ambiguity in Language Learning.” Linguistics Colloquium, Rutgers University. February, 1998.
- “An Iterative Strategy for Language Learning.” Linguistics Colloquium, University of Massachusetts at Amherst. February, 1997.
- “An Iterative Strategy for Language Learning.” Linguistics Colloquium, University of California at Santa Cruz. June, 1996.
- “Optimality Theory: Universal Grammar, Learnability, and Processing.” Colloquium, Text-to-Speech and Linguistics Research Groups, Bell Labs. February, 1996.
- “How Does the Brain ‘Do’ Language?” Colloquium, Department of Mathematics and Computer Science/Department of Psychology, Drew University. November, 1995.
- “Computational Optimality Theory.” Cognitive Science Colloquium, Rutgers University. April, 1995.
- “Optimality Theory: Universal Grammar, Learnability, and Processing.” Mathematics Colloquium, Western Michigan University. May, 1994.
- “Physics, Biology, and Traveling Salesmen.” Pi Mu Epsilon Colloquium, Department of Mathematics and Statistics, Western Michigan University, January, 1990.

Other Activities

- “Learning From Paradigmatic Information with Output-Driven Maps.” Talk presented remotely at the Held Meeting. MIT, Cambridge, MA, March 14, 2024.
- “Inductive Leaps and Output-Driven Learning.” With Morgan Moyer. Talk presented at the Eleventh Northeast Computational Phonology Circle. Stony Brook University, Stony Brook, NY, October, 2017.
- “Learnability in Non-Culminative Prosodic Systems.” With Morgan Moyer. Talk presented at the Rutgers-Delaware Workshop on Computational Phonology. April, 2017.
- “Contrast in the Time of ODP.” Talk presented at RULING X. Rutgers University, New Brunswick, NJ, May 3, 2015.
- “Expressing (most of) Phonotactic Knowledge as Contrast.” Talk presented at the Fifth Northeast Computational Phonology Circle. Yale University, New Haven, CT, Oct. 15, 2011.
- “Error Detection and Alternation Subsets.” Talk presented at the Third Northeast Computational Phonology Circle. MIT, Cambridge, MA, Oct. 24, 2009.
- “Learning Phonological Grammars for Output-Driven Maps.” Talk presented at the Second Northeast Computational Phonology Circle. Yale University, New Haven, CT, Nov. 15, 2008.
- “Output-Driven Maps.” Talk presented at the First Northeast Computational Phonology Circle. University of Massachusetts, Amherst, Nov. 10, 2007.

Organizing Committee, SIGPHON (Special Interest Group on Computational Phonology) Workshop on the Computation of Phonological Constraints. Annual Meeting of the Association for Computational Linguistics, Montreal, August 1998.

Student, First International Summer Institute in Cognitive Science, Buffalo, NY, July, 1994.

Student, 1993 Connectionist Models Summer School, Boulder, CO, July, 1993.

GRANTS

Principal Investigator (with co-PI Alan Prince), NSF Award No. BCS-0083101, “Algorithmic Learnability of Phonologies”, \$235,513. Jan. 1, 2001 – Dec. 31, 2004.

Lee Honors College Undergraduate Research Grant, \$1200, 1990.

Special Presidential Travel Grant, \$1800, for presentation of a paper at the IEEE TENCON '89 conference in Bombay, India, November, 1989.

EDUCATIONAL ACTIVITIES

Postdoctoral Trainees

John Alderete. Trainee in Linguistics and Cognitive Science. 2001-2003.

Doctoral Dissertation Advisor

Natalie DelBusso (co-advisor w/Alan Prince). PhD. in Linguistics. Completed 2017.

Paula Houghton (co-advisor w/Alan Prince). PhD. in Linguistics. Completed 2013.

Crystal Akers. PhD. in Linguistics. Completed 2012.

Nazarré Merchant. PhD. in Linguistics. Completed 2008.

Doctoral Dissertation Committee Member

Tatevik Yolyan. Department of Linguistics, Rutgers University. Expected 2025.

Huteng Dai. Department of Linguistics, Rutgers University. Expected 2024.

Nathan Koser. Department of Linguistics, Rutgers University. Completed 2022.

Eileen Blum. Department of Linguistics, Rutgers University. Completed 2022.

Yu Cao. Department of Linguistics, Rutgers University. Completed 2021.

Luca Iacoponi. Department of Linguistics, Rutgers University. Completed 2018.

Nicholas Danis. Department of Linguistics, Rutgers University. Completed 2017.

Hope McManus. Department of Linguistics, Rutgers University. Completed 2016.

Jeremy Perkins. Department of Linguistics, Rutgers University. Completed 2013.

Aaron Braver. Department of Linguistics, Rutgers University. Completed 2013.

William Bennett. Department of Linguistics, Rutgers University. Completed 2012.

Gaja Jarosz. Department of Cognitive Science, The Johns Hopkins University. Completed 2006.

Markus Hiller. Department of Linguistics, Rutgers University. Expected 2005.

Jose Elias Ulloa. Department of Linguistics, Rutgers University. Completed 2005.

Graham Horwood. Department of Linguistics, Rutgers University. Completed 2004.

Bruce Hall. Department of Linguistics, Rutgers University. Completed 2004.

Luba Butska. Department of Linguistics, Rutgers University. Completed 2002.

Nicole Nelson. Department of Linguistics, Rutgers University. Completed 2001.

Brett Hyde. Department of Linguistics, Rutgers University. Completed 2000.

Graduate Certificate in Cognitive Science Supervision

Kai Zimmerman (psychology graduate student). Completed Spring 2001.

Independent Study Supervision - Graduate

Kai Zimmerman (psychology graduate student). Cognitive Science Independent Study. Rutgers University, Fall 2000.

Mindi Sudhakar (psychology graduate student). Cognitive Science Independent Study. Rutgers University, Fall 1998.

Bruce Hall (linguistics graduate student). Linguistics Independent Study. Rutgers University, Spring 1996.

Honors Thesis Supervision – Undergraduate

Alexandra Nyman. Linguistics Department Honors Thesis. Rutgers University, 2014-15.

Honors Contract Course Supervision

Jamie Oliver. Ling 441 Linguistics and Cognitive Science. Fall 2023.

Soumya Duggirala. Ling 441 Linguistics and Cognitive Science. Fall 2021.

Isaac Sheidlower. CogSci 416 Minds, Machines and Computation. Spring 2020.

Undergraduate Major Advisor

Paul Tepper. Independent curriculum major. Graduated Spring 2002.

Undergraduate Major Academic Sponsor

Rachel Leslie. Independent major in Cognitive Science. Graduated Spring 2012.

Independent Study Supervision - Undergraduate

Emily Hartmann, Rutgers University, Spring 2005.

Edmund Rhudy, Rutgers University, Spring 2005.

Nathan Folsom-Kovarik. Rutgers University, Spring 2001.

Courses Designed

Created undergraduate course 185:416, “Advanced Topics in Cognitive Science: Minds, Machines & Computation,” Center for Cognitive Science, Rutgers University, Spring 2020.

Created graduate course 615:670, “Seminar in Learnability and Linguistic Theory,” Linguistics Department, Rutgers University, Spring 2000.

Redesigned undergraduate course 615:441, “Linguistics and Cognitive Science,” Linguistics Department, Rutgers University, Spring 1998.

Created graduate course 615:610, “Formal Methods for Linguistics,” Linguistics Department, Rutgers University, Fall 1996.

Courses Taught

Linguistics 101 Introduction to the Study of Language

Linguistics 441 Linguistics and Cognitive Science

Linguistics 497 Advanced Undergraduate Seminar in Linguistics

Linguistics 522 Phonology III

Linguistics 525 Seminar in Phonology

Linguistics 610 Formal Methods for Linguistics

Linguistics 670 Seminar in Learnability and Linguistic Theory

Linguistics 690 Qualifying Paper Workshop

Cognitive Science 416 Advanced Topics in Cognitive Science: Minds, Machines & Computation

Cognitive Science 500 Proseminar in Cognitive Science

Cognitive Science 60X Seminar in Cognitive Science

Other Activities

Supervised the Computer Science Research Project at *The New Jersey Governor’s School in the Sciences*.
Drew University, Madison, NJ, July/August 1996.

PROFESSIONAL SERVICE

Reviewing

International Advisory Board Member, *Journal of Cognition and Culture*. January 2001 – present.

Editorial Review Board Member, *Cognition*. April 1999 – June 2002.

Reviewer, *Cognition*.

Last Updated: March 16, 2024

Reviewer, *Cognitive Science*.

Reviewer, *Computational Linguistics*.

Reviewer, *Indo-European Linguistics*.

Reviewer, *Italian Journal of Linguistics*.

Reviewer, *Journal of Linguistics*.

Reviewer, *Language Acquisition*.

Reviewer, *Language Learning and Development*.

Reviewer, *Lingua*.

Reviewer, *Linguistic Inquiry*.

Reviewer, *Logic and Computation*.

Reviewer, *Natural Language and Linguistic Theory*.

Reviewer, *Phonology*.

Reviewer, Cambridge University Press.

Reviewer, Oxford University Press.

Reviewer, GALA International Conference on Language Acquisition.

Reviewer, Annual Conference of the Association for Computational Linguistics.

Reviewer, Annual Conference of the North Eastern Linguistics Society (NELS).

Reviewer, West Coast Conference on Formal Linguistics (WCCFL).

Reviewer, Annual Conference of the Cognitive Science Society.

Reviewer, Neural Information Processing Systems (NIPS) Conference.

Reviewer, National Science Foundation.

Reviewer, Netherlands Organisation for Scientific Research.

Reviewer, Hungarian Scientific Research Fund (OTKA).

Student organizer, 1993 Connectionist Models Summer School, Boulder, CO, July, 1993.

Departmental / University Service

Linguistics Department

Chair, Linguistics Department, Rutgers University, 2021-2024.

Member, Curriculum Planning and Assessment Committee, 2020 – present.

Member, Phonology Search Committee, 2018-19.

Last Updated: March 16, 2024

Member, Graduate Admissions Committee, 2018.

Chair, Linguistics Department, Rutgers University. 2014-2017.

Acting Graduate Program Director, 2010-2011.

Acting Undergraduate Program Director, Spring 2010.

Graduate Program Director, 2002-2005.

Chair, Phonetics / Psycholinguistics search committee, 2007-2008.

Member, Promotion Committee (Paul de Lacy), 2007.

Member, Phonology Search Committee, 2003-2004.

Linguistics Dept. FASIP/PEC committee, 2005, 2010, 2020.

Departmental Computer Liaison, 1998-present.

Maintained the departmental e-mail lists, 1998-2009.

Applied for, obtained ACIC grant for instructional projectors for the department, 2004.

Rutgers Center for Cognitive Science

Member, Graduate Certificate Committee, 2015-2018.

Participated in joint psycholinguistics/computational linguistics search, 2004-2005.

Participant in Science of Learning Center grant application, 2003-2004.

Member, RuCCS Executive Committee, 1998 – present.

Rutgers University

Member, New Brunswick Faculty Council, 2014 – 2016.

Summer Orientation Faculty presenter, June 22, July 13, and July 16, 2010.

Summer Orientation Faculty presenter, June 25 and 30, 2009.

Chair, Promotion Grievance Committee, 2007.

Humanities Area Committee, Graduate School, 2005-2007.