

## CURRICULUM VITAE

**Jennifer Cole**

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*Department of Linguistics  
Northwestern University  
2016 Sheridan Road  
Evanston, IL 61208*

### **Educational Background**

University of Michigan, B.A. Linguistics (highest distinction), 1982

University of Michigan, M.A. Linguistics, 1983

Massachusetts Institute of Technology, Ph.D. Linguistics, 1987

### **Academic Positions**

- 2016-present **Northwestern University**  
**Linguistics; Faculty affiliate in Cognitive Science**  
*Professor, 2016-present*
- 1989-present **University of Illinois at Urbana-Champaign**  
**Linguistics, Computer Science, Beckman Institute for Science and Technology**  
*Emerita Professor, 2016-present*  
*Professor, 2010-2016*  
*Associate Professor, 1998-2010*  
*Assistant Professor, 1990-1998*  
*Visiting Research Associate, 1989-90*
- 2010-2016 **University of Illinois at Urbana-Champaign**  
**Beckman Institute for Advanced Science and Technology**  
*Co-Chair of the Biological Intelligence Main Research Theme*
- 1987-1989 **Yale University, Linguistics**  
*Instructor*

### **Honors, Recognitions and Outstanding Achievements**

1993-94, Center for Advanced Study Fellow, University of Illinois

1996-97, Humanities Released Time Award, University of Illinois

2002-03, Critical Research Initiative Award, University of Illinois

2004-05, Alumni Discretionary Award, University of Illinois

2014, Research Fellow, Institute for Phonetics and Speech Processing, Ludwig Maximilian University of Munich

2017-2018, Mercator Fellow, Deutsche Forschungsgemeinschaft (German Research Foundation)

2017-2018, Distinguished Lecturer, International Speech Communication Association

2019-, Fellow, International Speech Communication Association

2020-, Fellow, American Association for the Advancement of Science

### **Invited Lectures (since tenure)**

1998, March. "Current issues in phonology," Mind, Brain, Language Seminar, Center for Advanced Study, University of Illinois.

1998, June. "A UR-free model of phonology." with J.I. Hualde. Speech Research Laboratory Seminar, Indiana.

1999, Jan. "Prosodic and segmental effects on lenition in Spanish." University of

- Chicago Linguistics Seminar.
- 1999, Jan. "Functionalism vs. formalism: an inquiry into the typology of harmony systems." ChiPhon Workshop on Theory and Data in Speech Research, University of Chicago.
- 1999, June. "Teaching Phonology." Workshop on the Linguistics Classroom, Linguistic Society of America Summer Institute.
- 1999, Aug. "Effects of vowel context on consonant place identification: implications for a theory of phonologization." ICPHS Satellite Conference on the Role of Perception in Phonology, San Francisco.
- 2000, May. "Cognitive and processing constraints on spoken language: evidence from phonology." Fourth International Conference on Cognitive and Neural Systems, Boston, MA.
- 2000, Nov. "Exploring the link between grammar and speech processing." Johns Hopkins University Cognitive Science Colloquium.
- 2001, April. "Phonology and Phonetics as Cognitive Science." A series of guest lectures in the UIUC Cognitive Science Proseminar.
- 2003, Oct. "Development of an Online Course in Sindhi." Presentation for the panel on South Asian Language Pedagogy at the 32<sup>nd</sup> Conference on South Asia, U Wisconsin.
- 2004, Jan. "Prosody and automatic speech recognition", Northwestern University Linguistics Colloquium.
- 2005, May. "Sindhi on the Brink", Biennial Conference on Pakistan Studies, American Institute of Pakistan Studies and the University of Pennsylvania.
- 2005, October. "Language, Identity and the Survival of Culture," Conference on Language, Terrorism and Ideology: The Sindhi Struggle in Pakistan, Washington, DC.
- 2006, April. "Prosodic effects on segment-level acoustic variation: Going beyond the phonetics laboratory," Linguistics Department, U Rochester
- 2006, April. "Converging Evidence for the Emergent Phonology of Harmony Systems," Linguistics and Brain & Cognitive Sciences Colloquium, U Rochester.
- 2007, Jan. "Complexity and perceptual factors in phonotactic learning," with Hahn Koo, Workshop on Artificial Grammar Learning, 81<sup>st</sup> Annual Meeting of the Linguistic Society of America, Anaheim, CA.
- 2007, September. "Emergent feature structures: Harmony systems in exemplar models of phonology," Indiana University Linguistics Colloquium.
- 2008, April. "The role of syntactic structure in guiding prosody perception with spontaneous speech," Experimental and Theoretical Approaches to Prosody, Cornell University.
- 2008, Nov. "Signal-based and expectation-based factors in prosody perception," Linguistics Colloquium, University of Iowa.
- 2008, Nov. "Beyond words: Prosody in speech production and perception." Beckman Institute Director's Seminar, University of Illinois.
- 2008, Dec. "Prosody perception in spontaneous speech." Linguistics Colloquium, University of New Mexico.

- 2009, Jun. "Corpus methods for phonology research," Linguistics Colloquium, University of Saskatchewan.
- 2010, March. "Processing and analytic biases for vowel harmony," University of Chicago Workshop on Language, Cognition, and Computation.
- 2010, Nov. "Prosody production in spontaneous speech: Phonological encoding, phonetic variability, and the prosodic signature of individual speakers," The Acoustical Society of America, Cancun, Mexico.
- 2010, Nov. "Investigating the variable prosody of everyday speech," Linguistics Colloquium, McMaster University.
- 2011, June. "Commentary on *Harvesting Speech Databases for Research in Linguistics*," Digging Into Data Conference, Washington, DC.
- 2011, July. "Modeling listener variability in prosody perception using transcription and imitation as indirect measures of linguistic processing," Workshop on Testing Models of Phonetics and Phonology, Linguistic Institute of America Summer Institute, Boulder, Colorado.
- 2011, August. "Perceiving phonology while hearing the speaker: Abstraction and adaptation in prosody perception," Japan Phonology Forum, Doshisha University, Kyoto.
- 2011, October. "Abstraction and phonetic detail in prosody perception," Institute for Research in Cognitive Science, University of Pennsylvania.
- 2011, December. "Prominence in phonology and phonetics," Linguistics Colloquium, University of California Los Angeles.
- 2012, October. "Prosody perception in spontaneous speech: What we can learn from annotators and imitators," Keynote lecture presented at Brazil Prosody School, Vitoria, Brazil.
- 2012, October. "Discreteness vs. gradience in prosodic form. Mini-course taught at the Brazil Prosody School," Vitoria, Brazil.
- 2013, January. "Rapid Prosody Transcription: Or how I learned to stop worrying and love variability," with Mark Hasegawa-Johnson. Workshop on Data Issues in Prosody Research, New York.
- 2013, February. "Memory for Prosody," Yale University and McGill University, Linguistics Colloquia.
- 2014, March. "Crowd-sourcing prosodic annotation: How Big (& Noisy) Data can inform the linguistic analysis of prosody in natural discourse," Cornell University and LMU Munich, Linguistics Colloquia.
- 2014, June. "Crowd-sourcing prosodic annotation for the linguistic analysis of prosody in natural discourse," Potsdam University.
- 2014, December. "An "easy questions" approach to hard problems in prosodic analysis," Michigan State University, Linguistics Colloquium.
- 2015, May. "Assessing agreement and variation in prosodic annotation with untrained listeners" (with J. Roy & T. Mahrt). Experimental and Theoretical Approaches to Prosody, University of Illinois.
- 2015, June. "Mapping sound to meaning: Prosody in spoken language comprehension," Board on Behavioral, Cognitive and Sensory Sciences, National Research Council.

- 2016, February. "Prosody according to hearers," Linguistics Seminar, Northwestern University.
- 2016, June. "Entrainment of intonation patterns in cooperative and competitive interactions" (with Uwe Reichel). Framing Speech, Speech Prosody 2016 satellite meeting, Boston.
- 2017, February. "Details (sometimes) matter for the mental representation of intonation," Linguistics Seminar, University of Illinois at Chicago.
- 2017, May. "Individual differences and attentional effects on cue weighting for prosody perception," Abstraction, Diversity and Speech Dynamics Workshop, Munich.
- 2018, Feb. "Quantifying Reduction," Linguistics Department seminar, University of Texas, Austin.
- 2018, March. "Intonational meaning and the representation of prenuclear melodies," German Linguistic Society (DGfS), Stuttgart.
- 2018, June. "Hindi prosody through the lens of Prominence Theory," South Asian Languages Analysis Roundtable 34, Univ. Konstanz, Germany.
- 2018, Sept. "Standing out in speech: Prosodic prominence in speech production and perception", ISCA Distinguished Lecture, International Institute of Information Technology, Hyderabad, India.
- 2018, Sept. "Standing out in speech: Acoustic, structural and informational correlates of prosodic prominence," ISCA Distinguished Lecture, Indian Institute of Technology, Mumbai, and Indian Institute of Science, Bangalore, India.
- 2018, Sept. "Crowd-sourcing prosodic annotation," ISCA Distinguished Lecture, Indian Institute of Technology, Mumbai, India.
- 2018, Oct. "The linguistic and social functions of prosody," ISCA Distinguished Lecture, Constantine the Philosopher University, Nitra, Slovakia; Palacký University, Olomouc, Czech Republic; Charles University, Prague.
- 2018, Nov. "Conventionalization in the prosodic encoding of information structure: An information-theoretic approach," Workshop on the processing of prosody across languages and varieties (ProsLang), Wellington, New Zealand.
- 2019, Jan. "Predictability and conventionalization in intonation: Linking sound and meaning," Linguistic Society of America Annual Meeting, New York, New York.
- 2019, April. "Entraining to the melody: Harnessing speech technologies to explore intonational entrainment," Annual meeting of the Illinois Languages & Linguistics Society, Urbana.
- 2019, Oct. "The listener's dilemma: Interpreting speaker meaning from prosody under variable encoding," Meaning in Flux Conference, Yale University.

### **Positions & Memberships in Professional Societies**

- 2006-2009, Member, Board of Trustees, American Institute of Pakistan Studies
- 2007-2010, Member, Executive Committee, Linguistic Society of America
- 2009-present, Founding Member and Chair of Organizing Committee, Association for Laboratory Phonology
- 2009-2015, Member, *ex officio*, Executive Council, Association for Laboratory Phonology
- 2010-2014, Elected Member-at-large, American Association for the Advancement of Science, Section Z (Linguistics)

- 2012-2016, Member, Committee of Editors of Linguistics Journals, Linguistic Society of America  
 2013-2015, Member, Board on Behavioral, Cognitive and Sensory Sciences, National Research Council, National Academy of Sciences  
 2015-2018, Chair-elect/Chair/Retiring-chair, American Association for the Advancement of Science, Section Z (Linguistics)  
 2019-present, Elected member, Acoustical Society of America  
 2020-2021, Member, Fellows Selection Committee, International Speech Communication

### **Editorships**

- 1988-2001, Member, Associate Editorial Board, *Linguistic Inquiry*  
 1988-2001, Member, Editorial Board, *Phonology*  
 2006-2010, Member, Associate Editorial Board, *Language*  
 2009- 2015, General Editor, *Laboratory Phonology*  
 2012-2014, Senior Editor, *Oxford Research Reviews in Linguistics*  
 2020-present, Member, Editorial Advisory Board, *Bulletin of Sindh Studies* (Brill Publishers)  
 2020-present, Advisor to the Editorial Board, *Cambridge Elements in Phonology*

### **Grants**

- 7/1/97 - 6/30/14. *Language Processing: A Training Program*. Kay Bock (PI), Renee Baillargeon, Kiel Christianson, Jennifer Cole, Gary Dell, Kara Federmeier, Cynthia Fisher, Susan Garnsey, Brian Ross, Elizabeth Stine-Morrow, Chilin Shih, Duane Watson (co-PIs). National Institutes of Health, T32-HD055272.  
 6/03 – 7/03. *The Design and Implementation of a Self-directed On-line Course on Spoken and Written Sindhi: Phase I*. Jennifer Cole (PI). Awarded under the National Security Education Program grant to the Program in Arms Control, Disarmament, and International Security, Univ. of Illinois. \$6,521.  
 7/03 – 6/06. *The Role of Experience in the Production and Perception of Phonological Sequences*, Cynthia Fisher (PI), Jennifer Cole, Gary Dell (co-PIs). National Institute of Child Health & Human Development, National Institutes of Health NIH-HD-44458. \$594,149.  
 1/04 – 7/05. *The Ninth Conference on Laboratory Phonology*, Jennifer Cole (PI). National Science Foundation, BCS-0335546. \$30,854.  
 6/04 – 8/04. *The Development of an On-line Course in Spoken and Written Sindhi*, Jennifer Cole (PI). Sub-contract under South Asia Language Resource Center, US Department of Education. \$13,041.  
 8/04 – 7/07. *Prosodic, Intonational and Voice Quality Correlates of Disfluency*, Mark Hasegawa-Johnson (PI), Jennifer Cole, Chilin Shih (co-PIs). National Science Foundation, IIS-0414117. \$385,940.  
 1/05 – 8/06. *Sindhi Online: Phase II Development and Creation*, Jennifer Cole (PI). Sub-contract under South Asia Language Resource Center, US Department of Education. \$10,000.  
 6/07 – 5/10. *RI-Collaborative Research: Landmark-based robust speech recognition using prosody-guided models of speech variability*, Jennifer Cole (PI), Mark

- Hasegawa-Johnson (co-PI), Carol Espy-Wilson (Lead PI for Collaborative Award). National Science Foundation, IIS-0703624. \$337,963.
- 6/08 – 5/11. *The Role of Experience in the Production and Perception of Phonological Sequences*. Gary Dell (PI), Jennifer Cole, Cynthia Fisher (co-PIs). National Institutes of Child Health and Human Development, 2R01HD044458-04. \$759,000.
- 1/09 – 1/10. Jennifer Cole (PI). REU Supplement to NSF grant: RI-Collaborative Research (see above). For undergraduate research support. \$20,720.
- 8/12 – 1/14. *Doctoral Dissertation Research: Modeling Temporal Coordination in Speech Production Using an Artificial Central Pattern Generator Neural Network*. Jennifer Cole (PI), Erin Rusaw. National Science Foundation, BCS 11-55592. \$5,298.
- 2/13 – 7/17. *Collaborative Research: Constituents and heads in prosody perception: A comparative study*. Jennifer Cole (lead PI), José I. Hualde (co-PI), Caroline Smith (co-PI). National Science Foundation, BCS-1251343. \$302,938.
- 8/13 – 2/15. *Prosodic and gestural entrainment in conversational interaction across diverse languages (PAGE)*. Co-PI on international collaborative project headed by Jonathan Harrington (U Munich). Volkswagen Stiftung. \$30,746 (UIUC direct costs).
- 10/13 – 9/15. *The Role of Maternal Prosody in Young Children's Physiological and Behavioral Regulation under Low- and High-Stress Conditions*. Nancy McElwain (PI), Jennifer Cole (co-PI), Daniel Berry (co-PI). UIUC, College of Agricultural, Consumer and Environmental Science, Future Interdisciplinary Research Explorations Program. \$48,121 (UIUC direct costs).
- 8/14 – 7/16. *Maternal Speech and Children's Physiological and Behavioral Regulation*. Nancy McElwain (PI), Jennifer Cole (co-PI), Daniel Berry (co-PI). National Science Foundation, IBSS SMA-1416791. \$249,744.
- 9/19 – 7/24. *A Family-Genetic Study of Autism and Fragile X Syndrome*. Co-PI on project headed by Molly Losh (PI). NIH/ National Institute of Mental Health, R01MH091131. \$624,873.
- 12/19 – 8/21. *Impaired sensorimotor integration for prosodic production in Ataxic Dysarthria*. Charles Larson (PI), Jennifer Cole (co-PI), Allison Hilger (trainee). NIH/ National Institute on Deafness and Other Communication Disorders. 1 F31 DC017877-01A1 \$47,958.
- 3/20 – 8/23. *Memory and context effects on representations of variation in phrasal intonation*. Jennifer Cole (PI). National Science Foundation BCS-1944773. \$414,792.
- 4/20 – 3/22. *Novel computational analysis of prosody in ASD and the Broad Autism Phenotype*. Co-PI on project headed by Molly Losh (PI). NIH/ National Institute on Deafness and other Communication Disorders, R03DC018644. \$74,383.

### Reviewing

Linguistics Department External Review Committees (SUNY-Stony Brook 2000; Northwestern 2015)

Proposal Reviewer, South Asia Language Resource Center (U Chicago), 2005

NSF Panelist: KDI-LIS (one panel); SBIR-STTR (one panel)

NSF Linguistics Advisory Panel (a term of 3 years)

Ad-hoc reviewing:

- Agencies and Foundations: National Science Foundation; Killam Research Fellowship (Canada); The French National Research Agency (ANR); Natural Sciences and Engineering Research Council of Canada (NSERC), University of Illinois Research Board; South Asia Language Resource Center
- Journals: *Journal of the Acoustical Society of America*; *Journal of Phonetics*; *Computer Speech and Language*; *Discourse Processes*; *Frontiers in Psychology*; *Glossa*; *International Journal of Corpus Linguistics*; *Journal of the International Phonetic Association*; *Journal of Memory and Language*; *Journal of Sociolinguistics*; *Journal of South Asian Linguistics*; *Journal of Speech, Language and Hearing Research*; *Laboratory Phonology*; *Language*; *Language, Cognition & Neuroscience*; *Language and Speech*; *Language Resources and Evaluation*; *Linguistics*; *The Linguistic Review*; *Natural Language and Linguistic Theory*; *Philosophical Transactions of the Royal Society*; *Phonetica*; *Phonology*; *PLOS-ONE*; *Psychonomic Bulletin & Review*; *Southwest Journal of Linguistics*; *Studies in the Linguistic Sciences*; *Topics in Linguistics*; *World Englishes*
- Conferences: Annual Meeting of Phonology; Chicago Linguistic Society; Experimental and Theoretical Advances in Prosody; Formal Linguistics Society of Mid-America; International Conference on Speech Signal Processing; International Congress of Phonetic Sciences; Interspeech; Laboratory Phonology; Linguistic Society of America; North Eastern Linguistics Society; Phonetics and Phonology in Europe; Speech Prosody; Tone and Intonation in Europe; West Coast Conference on Formal Linguistics
- Publishers: MIT Press; Cambridge University Press.

### **Conference & Workshop Service Activities**

Chair, The Organization of Phonology Conference, University of Illinois, 1990.

Chair, Linguistics and Computation Conference, Univ. of Illinois, 1990.

Chair, 2nd Mid-Continental Workshop in Phonology, Univ. of Illinois, 1996.

Chair, 9<sup>th</sup> Conference on Laboratory Phonology, Univ. of Illinois, 2004.

Invited participant, Workshop on intonation labeling (ToBI) for spontaneous speech, Simmons College, 2004.

Co-Chair, Special Session on New Approaches to Modeling Variability for Automatic Speech Recognition, Interspeech 2009, Brighton, UK, 2009.

Member, Scientific Committee, Speech Prosody 2010, Chicago.

Chair, 17<sup>th</sup> Mid-Continental Conference on Phonetics and Phonology, Univ. of Illinois, 2011.

Co-chair, Workshop on Advancing Prosodic Transcription, a satellite to the Laboratory Phonology 13 meeting in Stuttgart, Germany, July 2012.

Member, Scientific Committee, International Workshop on Imitation in Speech, 2012, Aix-en-Provence.

Member, Scientific Committee, Tools and Resources for the Analysis of Speech Prosody, 2013, Aix-en-Provence.

Member, Program Committee, Speech Prosody 2016, Boston.

Member, Scientific Committee, Laboratory Phonology 15, Ithaca.  
Member, Scientific Committee, Phonetics & Phonology in Europe, 2017  
Member, Scientific Committee, South Asian Languages Analysis 34, Konstanz, Germany  
Member, Scientific Committee, Laboratory Phonology 17, Lisbon, Portugal  
Member, Program Committee, Speech Prosody 9, Posnan, Poland  
Member, Scientific Committee, Annual Meeting of Phonology 5, New York University.  
Chair, Midwest Conference on Phonetics and Phonology, Northwestern Univ., Oct. 2018.  
Co-Chair, Program Committee Section on Phonetics & Phonology, Interspeech, Graz, Austria, 2019.  
Member, Program Committee, Interspeech 2020 (virtual)

### **Service – University of Illinois**

Representative to the faculty senate, 1992-1996  
Member, College of Engineering Executive Committee's subcommittee on course evaluation, 1996.  
Co-chair, Search committee in Computational Linguistics, Linguistics, 2002-2003  
LAS General Education Committee, 2002-2005  
Campus General Education Committee, 2003-2005  
Affirmative Action Officer, Linguistics, 2004-2006  
Chair, Search committee in Phonetics and Phonology, Linguistics, 2006-2007  
Campus Honors Council, 2006-2008  
Campus International Council, 2006-2008  
Campus Space Committee, 2010-2011  
Graduate College Block Grant Fellowship Committee, Fall 2010  
College of LAS Executive Committee, Spring 2011  
College of LAS Faculty Appeals Committee, 2011-2012  
Graduate College Executive Committee, 2011-2013  
School for Literatures, Cultures & Linguistics, Executive Committee, 2012-2014  
LAS Nominating Committee, 2013-2015  
Member, Committee to review the Campus Research Board, 2014-2015

### **Service – Northwestern University**

Director of Undergraduate Studies, Linguistics 2016-*present*  
Director of Undergraduate Studies, Cognitive Science, 2019-*present*  
Faculty Senate, Elected member, 2016-2019  
Faculty Senate Committee on Faculty Rights & Responsibilities, Chair, 2017-2020  
Weinberg College Tenure Committee, 2019

### **Post-doctoral Fellows**

Eleanor Chodroff, (Ph.D. 2017, Johns Hopkins University). 2017-2019  
Timo Roettger (Ph.D. 2016, University of Cologne). 2017-2019  
Jeremy Steffman (Ph.D. 2020, University of California, Los Angeles). 2020-present



## Doctoral Committees

### Chaired

- Feng-lan Kuo (Ph.D. 1994); *Aspects of segmental phonology and Chinese syllable structure*. [Director, Graduate Institute of Children's English, National Changhua University of Education, Taiwan]
- Jae-Young Lee (Ph.D. 1996); *Some aspects of English phonology : an optimality theoretic approach* [Prof., English, Seoul National University]
- Elaine Hsiao (defended 1997)
- Molly Homer (Ph.D. 1998); *The role of contrast in nasal harmony* [Academic Honors Advisor, Western Illinois University]
- Joo-Kyeong Lee (Ph.D. 1999); *A phonetic examination of C-to-V place assimilation* [Assoc. Prof., English Language & Literature, University of Seoul]
- Mee-Jin Ahn (Ph.D. 2000); *Phonetic and functional bases of syllable weight for stress assignment* [Assoc. Prof., English Linguistics & Literature, Paichai University, Korea]
- Khalil Iskarous (Ph.D. 2001); *Dynamic acoustic-articulatory relations* [Assoc. Prof., Linguistics, University of Southern California]
- Kiwako Ito (Ph.D. 2002); *The interaction of focus and lexical pitch accent in speech production and dialogue comprehension : Evidence from Japanese and Basque* [Assoc. Prof., School of Humanities and Social Science, University of Newcastle, Australia]
- Rajka Smiljanic (Ph.D.2002); *Lexical, pragmatic and positional effects on prosody in two dialects of Croatian and Serbian: An acoustic study* [Professor, Linguistics, U Texas, Austin]
- Hansook Choi (Ph.D. 2004); *Prosodically induced acoustic variation in English, Korean, and Hindi*.
- Heejin Kim (Ph.D. 2006); *Acoustic correlates of rhythm in American English* [Visiting Research Scientist, Beckman Institute for Advanced Science and Technology, University of Illinois at Urbana-Champaign]
- Tae-Jin Yoon (Ph.D. 2007); *A Predictive Model of Prosody through Grammatical Interface: A Computational Approach* [Assoc. Prof., English Language and Linguistics, Sungshin Women's University, Korea]
- Gary Linebaugh (Ph.D. 2007); *Phonetic Grounding and Phonology: Vowel Backness Harmony and Vowel Height Harmony* [Asst. Prof., English, American University of Sharjah, UAE]
- Simon Donnelly (Ph.D., 2007); *Phuthi Phonology* [Asst. Prof. Linguistics, Univ. Witwatersrand until 2006; Seminarian, 2006-2009; Catholic priest, 2010-present]
- Hahn Koo (Ph.D. 2007); *Change in the adult phonological processing system by learning non-adjacent phonotactic constraints from brief experience: An experimental and computational study* [Assoc. Prof. Linguistics, San Jose State University]
- Young-il Oh (Ph.D. 2009); *Prosodic and syntactic factors in the phonetic realization of function words in American English* [Professor, English Language & Literature, Seoul National University of Science and Technology]
- Yoonsook Mo (Ph.D., 2011); *Prosody production and perception with conversational speech* [Asst. Prof., Department of English & Linguistics, Seoul National University, Korea]

- Eman Saadah (Ph.D., 2011); *The production of Arabic vowels by English L2 learners and heritage speakers of Arabic* [Instructor of Arabic, Linguistics, University of Illinois]
- Erin Rusaw (Ph.D., 2013); *Modeling Temporal Coordination in Speech Production Using an Artificial Central Pattern Generator Neural Network* [Research Scientist, Google]
- Alina Khasanova (Ph.D., 2013); *The structure of variation in Spontaneous American English Stops.*
- Vandana Puri (Ph.D., 2013); *Intonation in Indian English and Hindi Late and Simultaneous Bilinguals.*
- Lisa Pierce (Ph.D., 2014); *Learning Novel Vowel Contrasts: Experimental Methods in Classroom Applications.* [Visiting Asst. Prof., ESL, University of Illinois at Urbana-Champaign]
- Tatiana Luchkina (Ph.D., 2016); *Prosodic and Structural Variability in Free Word Order Language Discourse.* [Visiting Asst. Prof., Linguistics, SUNY Stony Brook]
- Timothy Mahrt (Ph.D., 2018); *Acoustic cues for the perception of the information status of words in speech.* [Software developer at WOVN.io]
- Amelia Kimball (Ph.D., 2018); *Towards a Hybrid Model of Speech Prosody.* [Research Scientist, CVS Health]
- Suyeon Im (Ph.D., 2018). *Entrainment of intonation and gesture in task-oriented Dialogue* [Postdoc, Hong Kong Polytechnic University].

**Member** (Linguistics, Northwestern Univ): A. Stecker; D. Tucker; H. Kim; (Linguistics, UIUC): D. Scarpace, A. Rozovskaya, Y-H. Cheng, E.K. Lee, S-C Rhee, M. Smets, A. Andreasson, D. Hartkemeyer, F. Bennett, S-K Kang, Y-S Kang, S. Mmusi, A. Diop, M. Niang, W. Monareng, B. Hancin-Bhatt, E. Kovach, K-H. Lee, Z. Branstine.

**Member** (Communication Sciences & Disorders, Northwestern Univ): A. Hilger, S. Patel; (UIUC, other departments): C. Eager (Spanish), Mary Pietrowicz (Computer Science), J. Young (Ed. Psych), A. Trude (Psychology), M. Nadeu (Spanish), J. Young (Curriculum & Instruction), J. Huang (ECE), A. Saalfeld (Spanish), Y. Chen (Spanish), M. Simonet (Spanish), P. Carrasco (Spanish), L. Ferreira (Spanish), E. O'Rourke (Spanish), A. Lewis (Spanish), E. Willis (Spanish), M. Prieto (Spanish), S. Colina (Spanish), A. Morales (Spanish), P. Prieto (Spanish), B. Sanders (Spanish), F. Hwu (Spanish), H. Nibert (Spanish), J. Miller (French), K. Chambers (Psychology), K. Chen (ECE), B. Felt (Slavic).

### **Courses Taught**

Graduate and undergraduate Phonology, Laboratory Phonology, Advanced Topics in Phonology, Acoustic Phonetics, Field Methods, Mathematical Linguistics, Computational Linguistics, Practicum, Introduction to Language Science, graduate seminars on various topics in phonology, computational linguistics, acoustic phonetics, prosody, intonational phonology, digital speech analysis, speech perception, and laboratory phonology.

### **Publications (in reverse chronological order)**

#### **Doctoral Thesis**

*Planar Phonology and Morphology*, Advisor and Thesis Director: Morris Halle, M.I.T., 1987.

### **Books authored**

Cole, J. 1991. *Planar Phonology and Morphology*. In the Outstanding Dissertations in Linguistics Series, J. Hankamar (ed.). NY: Garland Press.

### **Books edited**

Cole, J. and J. I Hualde, eds. 2007. *Laboratory Phonology 9*, Berlin: Mouton de Gruyter.

Cole, J., G. Green and J. Morgan, eds. 1995. *Linguistics and Computation*, Stanford: CSLI.

Cole, J. and C. Kisseberth, eds. 1994. *Perspectives in Phonology*, Stanford: CSLI.

### **Chapters in Books**

Cole, J. and S. Shattuck-Hufnagel. 2018. Quantifying phonetic variation: Landmark labeling of imitated utterances. In F. Cangemi, M. Clayards, O. Niebuhr, B. Schuppler, M. Zellers Eds. *Rethinking Reduction*, Mouton de Gruyter, pp. 164-204. <https://doi.org/10.1515/9783110524178-006>

Cole, J. and J.I. Hualde. 2013. Prosodic structure in Sound Change. In Shu-Fen Chen and Benjamin Slade (eds.), *Grammatica et verba / Glamour and verve — Studies in South Asian, Historical, and Indo-European Linguistics: A Festschrift in Honor of Professor Hans Henrich Hock on the Occasion of His 75th Birthday*. Ann Arbor, MI: Beech Stave Press, pp. 28-45.

Cole, J., and M. Hasegawa-Johnson. 2012. Corpus phonology with speech resources. In A. Cohn, C. Fougeron, and M. Huffman (eds.), *Handbook of Laboratory Phonology*. Oxford, UK: Oxford University Press, pp. 431-440.

Cole, J. and J.I. Hualde. 2011. Underlying Representations. In van Oostendorp, Marc, Colin J. Ewen, Elizabeth Hume and Keren Rice (eds.), *The Blackwell Companion to Phonology*. Blackwell Publishing, pp. 1-26.

See also Blackwell Reference Online. 18 September 2011

<[http://www.companiontophonology.com/public/book?id=g9781405184236\\_9781405184236](http://www.companiontophonology.com/public/book?id=g9781405184236_9781405184236)>

McMurray, B., Cole, J., Munson, C. 2011. Features as an emergent product of perceptual parsing: Evidence from vowel-to-vowel coarticulation. In C.N. Clements and R. Ridouane (eds.), *Where do Phonological Features Come From? Cognitive, Physical and Developmental Bases of Distinctive Speech Categories*, Amsterdam, The Netherlands: John Benjamins, pp. 197-236. <https://doi.org/10.1075/lfab.6.08mcm>

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### Abstracts

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### Book Review

Cole, J. 1995. Review article on *English Phonology* by John T. Jensen, in *World Englishes* 14.3, pp. 396-400.

### **Conference Presentations and Colloquia (without proceedings)**

- 2020, Dec. “Intonation processing in American English is incremental and supports forward-backward inference,” with T. Roettger & D. Turner. Acoustical Society of America Annual Meeting, Online.
- 2020, Dec. “Prosodic encoding of information structure in nuclear and prenuclear positions in American English,” with E. Chodroff. Acoustical Society of American Annual Meeting, Online.
- 2020, Dec. “Effects of word-frequency and social evaluation on phonetic accommodation,” with Shawn Foster. Acoustical Society of American Annual Meeting, Online.
- 2020, Sept. “Prosodic Focus Strengthens Semantic Persistence,” with J. Choe & M. Yoshida. Architectures and Mechanisms for Language Processing (AMLaP) Conference, Online.
- 2020, July. “Interpreting pitch accents through the lens of informativity,” with T. Roettger. LabPhon 17, Online.
- 2020, July. “The salience of “rhythmic” prenuclear accents: Evidence from an imitation study,” with S. Im & J.I. Hualde, LabPhon 17, Online.
- 2020, Feb. “Impaired sensorimotor integration for the adjustment of phrasal prominence in ataxic dysarthria,” with A. Hilger, J. Kim & C. Larson. Conference on Motor Speech Santa Barbara, California.
- 2019, Oct. “Speech complexity is not signal complexity,” with D. Turner, A. Bradlow. Midcontinental Phonetics and Phonology Conference, University of Wisconsin-Milwaukee.
- 2019, Oct. “The integration of prenuclear accents is conservative and delayed,” with T. Roettger. Midcontinental Phonetics and Phonology Conference, University of Wisconsin-Milwaukee.
- 2019, May. “Relative influences of information structure and utterance-final position on the prosodic implementation of nuclear pitch accents,” with E. Chodroff. Poster presented at the 177<sup>th</sup> Meeting of the Acoustical Society of America, Louisville, Kentucky.
- 2019, Mar. “Fluctuations in Maternal Speech Prosody and Preschool-Aged Children’s Behavioral and Physiological Regulation During a Challenge,” with N. McElwain, D. Berry & N. Ravindran. Society for Research on Child Development Biennial Meeting, Baltimore, Maryland.
- 2018, Oct. “Categorical and gradient effects of information structure on nuclear prominence in American English,” with E. Chodroff, A. Arthurs, P. Kurian, & J. Pazol. Mid-Continental Conference on Phonetics & Phonology Conference, Northwestern University, Illinois.
- 2018, Oct. “Prediction and adaptation in intonational processing,” with T. Roettger & M. Franke. Mid-Continental Conference on Phonetics & Phonology Conference, Northwestern University, Illinois.
- 2018, Jun. “On the (ir)relevance of prenuclear accents for intonational learning,” with T. Roettger. Laboratory Phonology 16, Lisbon, Portugal.

- 2018, Jun. “The mediating effect of information status on acoustic cues to prominence,” with S. Im and S. Baumann. *Laboratory Phonology 16*, Lisbon, Portugal.
- 2018, Jun. “The timecourse of F0 planning for intonational tones,” with A. Hilger & C. Larson. *Laboratory Phonology 16*, Lisbon, Portugal.
- 2018, Jun. “Hindi prosody through the lens of Prominence Theory,” *South Asian Languages Analysis Roundtable 34*, Univ. Konstanz, Germany.
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- 2017, Dec. “Exemplar encoding of intonation in syllables, words and phrases,” with Suyeon Im. *Linguistic Society of American*, Salt Lake City.
- 2017, Nov. “A Proposed Method for Analyzing Phrase-Level Prosodic Analysis of Hypokinetic Dysarthria: An Autosegmental-Metrical Approach,” with Allison Hilger and Angela Roberts. Poster presented at the *American Speech-Language-Hearing Association Annual Convention*, Los Angeles.
- 2017, Sept. “Evaluating the domain of f0 encoding with imitated speech,” with Suyeon Im. *Midwest Phonetics & Phonology Conference*.
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- 2017, June. “Prosodic cues to psychosis risk,” with Emily Cibelli, Matt Goldrick, and Vijay Mittal. Poster presented at *Acoustics ’17*, *Acoustical Society of America*, Boston.
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- 2016, Dec. “Prosodic imitation and entrainment: Evidence for the cognitive encoding of prosody,” *Northwestern University Phonatics Colloquium*.
- 2016, Oct. “Prosodic entrainment: The cognitive encoding of prosody and its relation to discourse function,” *Mid-continental Phonetics & Phonology Conference*, East Lansing, Michigan.
- 2016, July. “Perception of syllable stress varies by listener,” with Amelia Kimball. *Laboratory Phonology 15*, Ithaca, New York.
- 2016, July. “Perception of acoustic, informational and structural prominence in English, French, and Spanish,” with J.I. Hualde, C. Smith, C. Eager, T. Mahrt and R. Napoleão de Souza, *Laboratory Phonology 15*, Ithaca, New York.
- 2016, June. “Effects of rhetorical stress on item and content recall in Spanish,” with C. Eager and J. I. Hualde, *Framing Speech, Speech Prosody 2016 satellite meeting*, Boston, Massachusetts.
- 2016, June. “Prosodic entrainment: The cognitive encoding of prosody and its relation to discourse function,” with U. Reichel. *Framing Speech, Speech Prosody 2016 satellite meeting*, Boston, Massachusetts.

- 2016, May. "The sound of sensitivity: In-the-moment relations between maternal pitch prosody and mother-toddler interaction quality" (with N. McElwain and D. Berry), XX Biennial International Conference of Infant Studies, New Orleans, Louisiana.
- 2015, June. "Linking pitch prosody and affective behavior in mother-child interaction," With D. Berry, N. McElwain, T. Mahrt, N. Bulkes, H. Emery. Satellite Workshop on Prosodic Development, Phonetics and Phonology in Europe, Cambridge, UK.
- 2015, May. "Inside the 'Black Box' of maternal sensitivity: Micro-developmental links between maternal speech prosody and child affect," with D. Berry, N. McElwain, T. Mahrt, N. Bulkes, H. Emery. Poster presented at the Association for Psychological Science.
- 2015, April. "Quantifying phonetic variation (or, why you'd rather be a vowel than a glide)," UIUC Linguistics Colloquium.
- 2014, Sept. "Early High and Prominence Perception," with J.I. Hualde, C. Eager, T. Mahrt. Mid-continental Phonetics & Phonology Conference, University of Wisconsin.
- 2014, July. "The perception of phrasal prominence in conversational speech" Poster presented with J.I. Hualde, T. Mahrt, C. Eager and S. Im at LabPhon 14, Tokyo.
- 2014, July. "The contribution of individual acoustic cues to the perception of focal prominence. Poster presented with T. Mahrt at Laboratory Phonology 14, Tokyo.
- 2012, July. "Competing effects of prominence and vowel shift in Chicago English" Poster presented with M. Blasingame and J.I. Hualde at Laboratory Phonology 13, Stuttgart, Germany.
- 2012, July. "Form and function in prosodic transcription." Advancing Prosodic Transcription for Spoken Language Science and Technology, Stuttgart, Germany.
- 2012, May. "Abstraction and Phonetic Detail in Prosody Perception," Illinois Speech Day, Toyota Technical Institute, Chicago.
- 2011, Sept. "Are listeners sensitive to the phonological form of prosody or its phonetic encoding?" Poster presented with Stefanie Shattuck-Hufnagel and Hansjörg Mixdorff at the 2<sup>nd</sup> Experimental and Theoretical Approaches to Prosody, McGill University, Montreal, Canada.
- 2011, Aug. "Perceiving phonology while hearing the speaker: Abstraction and adaptation in prosody perception" Japan Phonology Forum, Kyoto, Japan.
- 2011, July. "Modeling listener variability in prosody perception using transcription and imitation as indirect measures of linguistic processing," Workshop on Testing Models of Phonetics and Phonology, at the Linguistic Society of America Linguistic Institute, Boulder, Colorado.
- 2011, June. "*Commentary on Harvesting Speech Datasets for Linguistic Research on the Web,*" Digging Into Data Challenge Conference, Washington, DC.
- 2011, May. "Optimal models of prosodic prominence," Illinois Speech Day, Toyota Technological Institute, Chicago, Illinois.
- 2011, Jan. "Speech error evidence on the role of the vowel in syllable structure," Poster presented with Erin Rusaw at the 85<sup>th</sup> Annual Meeting of the Linguistic Society of America, Pittsburgh.

- 2011, Jan. “Uniformity and variability among speakers in the acoustic encoding of prosody in spontaneous speech,” Poster presented with Yoonsook Mo at the Very-Large Scale Phonetics Workshop, University of Pennsylvania.
- 2011, Jan. “Feature sets for the automatic detection of prosodic prominence,” Poster presented with Tim Mahrt, Jui-Ting Huang, Yoonsook Mo, Mark Hasegawa-Johnson, and Margaret Fleck Mo at the Very-Large Scale Phonetics Workshop, University of Pennsylvania.
- 2010, Oct. “Second-order phonotactic constraints based on speaker voice are learnable,” Poster presented with Karen Lichtman and Meryl Garrison at the Mid-Continental Workshop on Phonology, Northwestern University.
- 2010, July. “Evaluating markedness in the lexicon: Harmony and disharmony in English” Poster presented with A. Khasanova at LabPhon12, Albuquerque, New Mexico.
- 2010, May. “Prosody and reduction in spontaneous speech: A case study in American English,” with Y. Mo. Presented at Illinois Speech Day, Toyota Technological Institute, Chicago, Illinois.
- 2010, April. “Perception of prosodic boundaries in spontaneous speech with and without silent pause,” with Y. Mo. Poster presented at the 159<sup>th</sup> Meeting of the Acoustical Society of America, Baltimore, Maryland.
- 2010, March. “Early exposure vs. L1 interference: L2 acquisition with heritage speakers,” with E. Saadah. Paper presented at the American Association of Applied Linguistics 2010 Conference, Atlanta, Georgia.
- 2010, Feb. “Prosodic variation as a phonetic precursor to diachronic vowel shift,” with J. I. Hualde, Y. Mo, and H. Kim. Paper presented at the 28<sup>th</sup> West Coast Conference on Formal Linguistics, Los Angeles, California.
- 2010, Jan. “The production of Arabic vowels by English L2 learners and heritage speakers of Arabic,” with E. Saadah. Paper presented at the 84<sup>th</sup> Annual Meeting of the Linguistic Society of American, Baltimore, Maryland.
- 2009, Oct. “Learning Constraints that oppose native phonotactics from brief experience,” with E. Rusaw, Mid-Continental Workshop on Phonology 2009, Indiana Univ.
- 2009, April. “How do ordinary listeners perceive prosodic prominence? Syntagmatic vs. Paradigmatic comparison,” with Y. Mo and M. Hasegawa-Johnson. Poster presented at the 157<sup>th</sup> Meeting of the Acoustical Society of America, Portland, Oregon.
- 2008, Nov. “Perceived prosody: Phonetic bases of prominence and boundaries,” with .: L, Goldstein, A. Katsika, Y. Mo, E. Nava, and M. Tiede. Poster presented at the 156<sup>th</sup> Meeting of the Acoustical Society of America, Miami, Florida.
- 2008, Jan. “Prosody perception by naïve listeners,” with Y. Mo and E-K. Lee. Poster presented at the 82<sup>nd</sup> Annual Meeting of the Linguistic Society of America, Chicago, IL.
- 2007, Oct. “Prosody perception by naïve listeners: Evidence from a large multi-transcriber reliability study,” with Y. Mo and E-K. Lee, Mid-Continental Workshop on Phonology, Ohio State Univ.
- 2007, Oct. “Parsing Acoustic Variability as a Mechanism for Feature Abstraction,” with B. McMurray, G. Linebaugh, and C. Munson. International Conference on Features: Phonological Primitives in the Brain, the Mouth and the Ear, Paris.

- 2007, Jan. "Automatic Detection of Turn-taking Cues in Spontaneous Speech," with K. Gorman, M. Fleck, and M. Hasegawa-Johnson, 81<sup>st</sup> Annual Meeting of the Linguistic Society of America, Anaheim, CA.
- 2007, Jan. "On the edge: Acoustic cues to layered prosodic domains," with T. Yoon and M. Hasegawa-Johnson, 81<sup>st</sup> Annual Meeting of the Linguistic Society of America, Anaheim, CA.
- 2007, Jan. "Complexity and perceptual factors in phonotactic learning," with H. Koo, 81<sup>st</sup> Annual Meeting of the Linguistic Society of America, Anaheim, CA.
- 2006, June. "Downstepped Pitch Accent in American English is Categorical and Predictable," with T. Yoon, LabPhon 10, Paris.
- 2006, May. "Additive Effects of Prosodic Boundary on English Accented Vowels," with E-K. Lee and H. Kim, Speech Prosody, Dresden.
- 2006, May. "Acoustic differentiation of L- and L-L% in Switchboard and Radio News speech," with H. Kim, T. Yoon and M. Hasegawa-Johnson, Speech Prosody, Dresden.
- 2006, April. "Acoustic Effects of Prosodic Boundary on Vowels in American English," with E-K. Lee, Chicago Linguistic Society, Chicago.
- 2006, Jan. "Acoustic effects of prosodic prominence on vowels in American English," with H. Kim and E-K. Lee, Linguistic Society of America, Albuquerque, NM.
- 2006, Jan. "Levels of Prosodic Phrasing: Acoustic evidence from read and spontaneous speech corpora." With T. Yoon and H. Kim, Linguistic Society of America, Albuquerque, NM.
- 2005, Oct. "Intonational Distinctiveness of African American English," with E. Thomas, E Britt and E. Cogshall, Conference on New Ways of Analyzing Variation 34, New York, NY.
- 2005, Sept. "Shifting patterns of Sindhi language use: Evidence of renewal or decline?" 25<sup>th</sup> South Asia Linguistic Analysis Roundtable, University of Illinois.
- 2005, Sept. "Prosodic parallelism as a cue to repetition disfluency," with M. Hasegawa-Johnson, C. Shih, H. Kim, E. Lee, H. Lu, Y. Mo, T. Yoon, Disfluency in Spontaneous Speech Workshop, Aix-en-Provence, France.
- 2005, Sept. "The stress foot as a unit of planned timing: Evidence from shortening in the prosodic phrase," with H. Kim, Interspeech, Lisbon, Portugal.
- 2005, May. "Acoustic correlates of non-modal phonation in telephone speech," with T.-J. Yoon, M. Hasegawa-Johnson, and C. Shih, 149<sup>th</sup> Meeting of the Acoustical Society of America, Vancouver.
- 2005, Jan. "Acoustic expansion of accented vowels in American English," with H. Kim. Linguistic Society of America, San Francisco.
- 2004, March. "The effect of accent on acoustic cues to stop voicing and place of articulation in radio news speech," with H. Kim, H. Choi, and M. Hasegawa-Johnson. Speech Prosody 2004, Nara, Japan.
- 2004, March. "Acoustic differentiation of ip and IP boundary levels: Comparison of L- and L-L% in the Switchboard Corpus," with S. Chavarría, T.-J. Yoon, and M. Hasegawa-Johnson, Speech Prosody 2004, Nara, Japan.
- 2003, July. "The effect of accent on the acoustic cues to stop voicing in Radio News Speech," with H. Choi, H. Kim, and M. Hasegawa-Johnson. Poster presented at the 15<sup>th</sup> International Conference on Phonetic Sciences, Barcelona.

- 2003, Mar. "Acoustic evidence for the effect of accent on CV coarticulation in Radio News speech," with H. Choi, and H. Kim. Texas Linguistic Society Conference on Coarticulation, University of Texas at Austin.
- 2003, Feb. "Bringing Prosody into Automatic Speech Recognition: Improving word recognition and advancing linguistic science," Language Processing Brown Bag, UIUC.
- 2002, Dec. "The case for including linguistic models of prosody in automatic speech recognition: The effect of accent on the acoustic cues to stop voicing in Radio News speech." Univ. of Illinois Linguistics Seminar.
- 2002, Oct. "Learning Sindhi Online: Teaching to a distributed student population" Poster, 2<sup>nd</sup> Heritage Language Conference, Washington DC.
- 2002, June. "Evidence for a production bias in vowel harmony" Poster, 8<sup>th</sup> Conference on Laboratory Phonology, Yale University.
- 2002, March. "Are languages designed to make speaking easier?" Poster, Univ. of Illinois Engineering and Beckman Institute Open Houses.
- 2001, Sept. "What's optimal about vowel harmony?" Univ. of Illinois Linguistics Seminar.
- 2001, March. "Speech Perception: The effect of adjacent vowel context on the perceptual salience of /b,d,g/ in English." Poster, Univ. of Illinois Engineering and Beckman Institute Open Houses.
- 2001, Feb. "What's the link between phonology and speech processing?" Language Processing Brown Bag, Beckman Institute, Univ. of Illinois.
- 2000, July. "Is Vowel Harmony Perceptually Motivated?" Poster presentation at the Seventh Conference on Laboratory Phonology, Nijmegen, Netherlands.
- 2000, Feb. "On the accented/unaccented distinction in Western Basque and the typology of Accentual Systems," with J.I. Hualde and R. Smiljanic. 26th Annual Meeting of the Berkeley Linguistics Society.
- 1999, Dec. "Speech processing research: evidence for the development of linguistic sound systems," Joint CNRS-UIUC Workshop in Cognitive Science and Cognitive Neuroscience, Institut des Sciences Cognitives, Lyon, France.
- 1999, Oct. "The accented/unaccented distinction in Western Basque," with J.I. Hualde and R. Smiljanic. Mid-Continental Workshop in Phonology, 5. Southern Illinois University.
- 1999, July. "Stress and syllable weight in Kashmiri," with M-J. Ahn. South Asian Languages Analysis Roundtable 20, University of Illinois.
- 1998, Nov. "Phonetic grounding and harmony typology." Univ. of Illinois Linguistics Seminar.
- 1998, Oct. "Harmony in an exemplar model of phonology." Mid-Continental Workshop on Phonology, 4. Univ. of Michigan.
- 1998, Sept. "Effects of prosodic and segmental context on /g/-Lenition in Spanish," with J.I. Hualde, and K. Iskarous. Fourth International Linguistics and Phonetics Conference, Columbus, Ohio.
- 1998, July. "Contrast and phonetic variation: factors governing the continuancy of /g/ in Spanish and Arabic," with J.I. Hualde and K. Iskarous. Poster presentation at the Sixth Conference on Laboratory Phonology, University of York.



- 1998, April. "The object of lexical acquisition: a UR-free model," with J.I. Hualde. Chicago Linguistic Society, 34.
- 1997, Nov. "Two views on phonological alternations," with J.I. Hualde. Mid-Continental Workshop in Phonology, 3.
- 1997, May. "Transitive inference in Optimality Theory," with D. Guest and G. Dell, 69<sup>th</sup> Annual Meeting of the Midwestern Psychological Association.
- 1997, Feb. "Is Spanish spirantization a unitary process? Some experimental evidence," with J.I. Hualde, Linguistics Symposium on Romance Languages 27.
- 1996, Nov. "Metrical structure and non-initiality in Sukuma tone," with E. Hsiao, Mid-Continental Workshop in Phonology, 2.
- 1996, Nov. "Testing the transitivity hypothesis in Optimality Theory," with G. Dell and D. Guest, Mid-Continental Workshop in Phonology, 2.
- 1996, Oct. "Deconstructing metaphony." Univ. of Illinois Linguistics Seminar.
- 1995, Oct. "Deletion and identity in Klamath reduplication." Mid-Continental Workshop in Phonology, 1.
- 1995, Sept. "Opaque rule interaction in Yawelmani phonology." Univ. of Illinois Linguistics Seminar.
- 1994, April. "The metrical basis of Klamath phonology." Univ. of Illinois Linguistics Seminar.
- 1992, April. "Metrical structure in Setswana tonology," with S. Mmusi. 13th African Linguistics Conference.
- 1991, Dec. "Accent in Arratia Basque," with J.I. Hualde, Univ. of Illinois Linguistics Seminar.
- 1991, Sept. "Declarative grammars for computing phonology," Speech Recognition Group, Motorola, Schaumburg, Illinois.
- 1991, May. "Alliteration in Sindhi poetry: implications for feature geometry," Twelfth Annual Meeting of the South Asian Linguistics Association.
- 1991, Jan. "Dominant affixes and cyclic accent deletion," Univ. of Illinois Linguistics Seminar.
- 1990, March. "The segmental cycle in phonological theory," Univ. of Illinois Linguistics Colloquium.
- 1988, Feb. "Towards a principled theory of vowel harmony: The Problem of Coeur d' Alene," Yale Linguistic Colloquium.
- 1987, March. "The morpheme tier hypothesis: evidence from harmony." West Coast Conference on Formal Linguistics VI, Univ. of Arizona.
- 1986, Dec. "Harmony within Linked Structures." Linguistic Society of America Annual Meeting, New York.

### **Outreach Activities**

- 2009, June: Panelist, "Why you should care about Sindhi," *Young Sindhi Adult* eighth annual convention, Chicago, IL.
- 2005, Sept.: Panelist, "Language, Ideology and Terrorism: The Sindhi struggle in Pakistan," Conference held for US Congress members, sponsored by the World Sindhi Institute, Washington, D.C.
- 2004, May: "Language, Culture and Identity," presentation to the *Young Sindhi Adult* third annual convention, Washington, D.C.

2003, May: “What’s special about the Sindhi language and why you should care,”  
presentation to the *Young Sindhi Adult* second annual convention, Vancouver.