

CURRICULUM VITAE
Scott A. Crossley

Department of English
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Mississippi State University
Mississippi State, MS 39762

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Education

May, 2006: The University of Memphis
-Ph.D. in English (Concentration in Applied Linguistics)

June, 2002: The University of Memphis
-MA in English (Concentrations in Linguistics and ESL)

June, 2001: California State University of Northridge
-State of California Secondary Teaching Credential (Social Studies)

August, 1999: The University of Memphis
-TEFL Certificate

June, 1999: California State University of Northridge
-BA in History

Areas of Specialization

-Primary Areas: Second Language Acquisition, Computational Linguistics,
Corpus Linguistics, Applied Psycholinguistics

-Secondary Areas: Discourse Analysis, ESL Pedagogy, Second Language
Materials Development, English for Specific Purposes, Intelligent Tutoring
Systems

Research and Professional Experience

2006-Current *Assistant Professor, Mississippi State University, Mississippi State,
Mississippi*

-TESOL Director
-Develop and maintain TESOL program

2005-2006 *Visiting Lecturer, Mississippi State University, Mississippi State,
Mississippi*

-Visiting Lecturer in TESOL and Linguistics

2004-Current *Senior Research Associate, Institute for Intelligent Systems, University of Memphis, Tennessee*

- Assist in the development of computational tools for measuring text cohesion and readability.
- Investigate the benefits of Intelligent Tutoring Systems for K-12 reading and writing strategy instruction.

2002-2007 *Camp Director, Lasallian Summer Language Camp, Christian Brothers University, Memphis, Tennessee*

- Develop curriculum and directed teaching of middle school ESL students
- Conduct ESL teacher training for Mexican English teachers
- ESL Instructor

2003-2004 *Professor, Instituto Tecnológico y de Estudios Superiores de Monterrey (ITESM), Sinaloa, Mexico*

- Assistant Professor in English Department

2002-2003 *Teaching Assistant, University of Memphis, Tennessee*

- Teaching Assistant in English Department

2002-2003 *Graduate Assistant, University of Memphis, Tennessee*

- Assisted in *On-Track ESL Program* with Memphis City School District, which focused on improving the instruction of local city (Memphis) and county (Shelby) ESL teacher education

2001 *TEFL Instructor, Caledonian School, Czech Republic*

- Business and general English teacher
- CALL instructor
- Curriculum development designer

2001 *ESL Instructor, EF Schools, Los Angeles*

- TESOL position in Intensive English for Internationals program
- Lecture and educational excursion coordinator

2000-2001 *Student Teacher, Los Angeles Unified School District*

- Primary Social Science teacher for large, multi-lingual middle and high schools.
- Designed assignments and assessments for 7th and 11th grade students.

1999-2000 *TEFL Instructor, Shenzhen Department of Education, People's Republic of China*

- Principal English instructor at large high/middle school
- English activities coordinator

1999 *Assistant Teacher, Los Angeles Unified School District*
-ESL assistant in various classrooms
-Assisted in after-school activities for minority students to promote college education and attendance.

Professional Consulting Work

2008-Current *Statistical and Corpus Consultant, The University of Memphis*
-Develop and assess measures to provide automatic linguistic feedback to students engaged in intelligent tutor system. Test and analyze the effects of prompts, writing strategies, and linguistic scripts. Research is part of a federal grant (WPal: *Writing Pal*) funded by the IES and granted to Danielle McNamara.

2007-2008 *Statistical and Corpus Consultant, The University of Memphis*
-Develop gold standard for entailment corpus of student responses for intelligent tutoring system in order to provide better student feedback. Research was part of a federal grant (*iSTART: Interactive Strategy Training for interactive Reading and Thinking*) funded by the NSF, IERI, and IES and granted to Danielle McNamara.

2007-2008 *Statistical and Corpus Consultant, Washington State University*
-Provide assistance on the statistical and corpus design of an internal seed grant (*Development of Mathematical Meanings and Language with Elementary English Language Learners*) funded by Washington State University and granted to Jo Clay Olson and Thomas Salsbury

2007, August *EFL Professional Teacher Development, LaSalle School System, Durango and Chihuahua, Mexico*
-Developed and implemented a two-week workshop on modern methods for teaching form and function based language skills

2007, June *Bias Reviewer, Research Curriculum Unit, Mississippi State University*
-Review question banks used for state certification for language bias

2006, August *EFL Professional Teacher Development, LaSalle School System, Saltillo and Acapulco, Mexico*
-Developed and implemented 2 one-week workshops on the pedagogical implications of phonetics and phonology

2005-Current *Starkville and West Point School Districts, Mississippi*
-Assist in placing ESL tutors in primary and secondary schools
-Mentor and advise tutors

2004, May *EFL Professional Teacher Development, LaSalle School System, Hermosillo, Mexico*

- Developed and implemented a one-week workshops on the use of phonetics in language teaching

2002-2003 *Language Consultant, Memphis Grizzlies (NBA Team), Memphis, Tennessee*

-Language Instructor

Dissertation

Crossley, S. A. (2006). A Computational Approach to Assessing Second Language Reading Texts. *Dissertation Abstracts International*, 64 (04), (UMI No. 3214022)

Refereed Journal Publications (15)

Crossley, S. A. (2005). Metaphorical considerations in hip-hop music: Toward a better understanding of the hip-hop generation. *African American Review*, 9, (4) 501-512.

Crossley, S. A. (2007). A chronotopic approach to genre analysis: An exploratory study. *English for Specific Purposes*, 26 (1) 4-24.

Crossley, S. A., Louwse, M. M., McCarthy, P. M. & McNamara, D. S. (2007). A linguistic analysis of simplified and authentic texts. *Modern Language Journal*, 91, (2) 15-30.

Crossley, S. A. & Louwse, M. M. (2007). Multi-dimensional register classification using bi-grams. *International Journal of Corpus Linguistics*, 12, (4), 453-478.

Louwse, M. M., Crossley, S. A., & Jeuniaux, P. (2008). What if? Conditionals in educational registers. *Linguistics and Education*, 19, 56-69.

Crossley, S. A. (2008). The effects of genre analysis pedagogy: A corpus-based and situational analysis. *Foreign Languages for Specific Purposes*, 7, 20-35.

Crossley, S. A., Greenfield, J., & McNamara, D. S. (2008). Assessing text readability using cognitively based indices. *TESOL Quarterly*, 42 (3), 475-493.

Crossley, S. A. & McNamara, D. S. (2008). Assessing Second Language Reading Texts at the Intermediate Level: An approximate replication of Crossley, Louwse, McCarthy, and McNamara (2007). *Language Teaching*, 41 (3), 409-229.

- Crossley, S. A., Louwse, M., & McNamara, D. S. (2009). Identifying linguistic cues that distinguish text types: A comparison of first and second language speakers. *Language Research*, 42 (2), 361-381.
- Crossley, S. A., Salsbury, T., & McNamara, D. S. (2009). Measuring second language lexical growth using hypernymic relationships. *Language Learning*, 59 (2), 307-334
- Crossley, S. A. & McNamara, D. S. (2009). Computationally assessing lexical differences in second language writing. *Journal of Second Language Writing*, 17 (2), 119-135.
- Crossley, S. A. (2009). Metaphors and the reclamation of blackness in Derek Walcott's *Dream on Monkey Mountain*. *Journal of Caribbean Literatures*, 6 (3).
- Crossley, S. A., Salsbury, T., & McNamara, D. S. (2010). The development of polysemy and frequency use in English second language speakers. *Language Learning*, 60 (3).
- Salsbury, T., Crossley, S. A., & McNamara, D. S. (in press). Psycholinguistic word information in second language oral discourse. *Second Language Research*.
- Crossley, S. A., Salsbury, T., & McNamara, D. S. (in press). The development of semantic relations in second language speakers: A case for Latent Semantic Analysis. *Vigo International Journal of Applied Linguistics*.

Refereed Conference Proceedings (10)

- Louwse, M. M. & Crossley, S. A. (2006). Dialog act classification using N-Gram algorithms. In G. Sutcliffe & R. Goebel (Eds.), *Proceedings of the International Florida Artificial Intelligence Research Society* (pp. 758-763). Menlo Park, California: AAAI Press.
- Crossley, S. A., McCarthy, P. M., Lewis, G. A., Dufty, D. F., Louwse, M. M. & McNamara, D. S. (2006). Detecting manipulated second language learning texts. In R. Sun & N. Miyake (Eds.), *Proceedings of the 28th Annual Conference of the Cognitive Science Society* (pp. 2463). Mahwah, New Jersey: Lawrence Erlbaum Associates, Inc.
- Crossley, S. A., McCarthy, P. M. & McNamara, D. S. (2007). Discriminating between second language learning text-types. In D. Wilson & G. Sutcliffe (Eds.), *Proceedings of the 20th International Florida Artificial Intelligence Research Society* (pp. 205-210). Menlo Park, California: AAAI Press.

- McCarthy, P. M., Rus, V., Crossley, S. A., Bigham, S. C., Graesser, A. C. & McNamara, D. S. (2007). Assessing entailment with a corpus of natural language from an intelligent tutoring system. In D. Wilson & G. Sutcliffe (Eds.), *Proceedings of the 20th International Florida Artificial Intelligence Research Society* (pp. 247-252). Menlo Park, California: AAAI Press.
- Crossley, S. A., Dufty, D. F., McCarthy, P. M., & McNamara, D. S. (2007). Toward a new readability: A mixed model approach. In D.S. McNamara and G. Trafton (Eds.), *Proceedings of the 29th annual conference of the Cognitive Science Society* (pp. 197-202). Austin, TX: Cognitive Science Society.
- Crossley, S. A., Salsbury, T. McCarthy, P. M. & McNamara, D. S. (2008). Using Latent Semantic Analysis to explore second language lexical development. In D. Wilson & G. Sutcliffe (Eds.), *Proceedings of the 21st International Florida Artificial Intelligence Research Society* (pp. 136-141). Menlo Park, California: AAAI Press.
- McCarthy, P. M., Rus, V., Crossley, S. A., Graesser, A. C., & McNamara, D. S. (2008). Assessing forward-, reverse-, and average entailment indices on natural language input from the intelligent tutoring system, iSTART. In D. Wilson & G. Sutcliffe (Eds.), *Proceedings of the 21st International Florida Artificial Intelligence Research Society* (pp. 165-170). Menlo Park, California: AAAI Press.
- Crossley, S. A., Salsbury, T., McCarthy, P. M., & McNamara, D. S. (2008) LSA as a measure of second language natural discourse. In V. Sloutsky, B. Love, and K. McRae (Eds.), *Proceedings of the 30th annual conference of the Cognitive Science Society* (pp. 1906-1911). Washington, D.C.: Cognitive Science Society.
- Crossley, S. A., Boggess, G., & Salsbury, T. (2009). Exploring Lexical Network Development in Second Language Learners. . In C.H. Lane & H.W. Guesgen (Eds.), *Proceedings of the 22nd International Florida Artificial Intelligence Research Society (FLAIRS) Conference* (pp. 225-230). Menlo Park, CA: The AAAI Press.
- Duran, N.D., Crossley, S.A., Hall, C., McCarthy, P.M., & McNamara, D.S. (2009). Expanding a catalogue of deceptive linguistic features with NLP technologies. In C.H. Lane & H.W. Guesgen (Eds.), *Proceedings of the 22nd International Florida Artificial Intelligence Research Society (FLAIRS) Conference* (pp. 243-248). Menlo Park, CA: The AAAI Press.

Non-Refereed Publications (1)

- Crossley, S. A. (2005) TOEFL: The next generation. *TNTESOL Newsletter*, 26, 1-3

Papers Under Review (8)

- Crossley, S. A., Salsbury, T., & McNamara, D. S. The role of lexical cohesive devices in triggering negotiations for meaning. *Issues in Applied Linguistics*.
- Crossley, S. A., & Salsbury, T. The development of collocational accuracy and production in English second language speakers. *International Review of Applied Linguistics in Teaching*.
- Anderson, T., & Crossley, S. A. Rue with a Difference: A Stylistic Analysis of the Rhetoric of Suicide in Hamlet. In M. Ravassat & J. Culpeper (eds.), *Shakespeare's Language: Stylistic and Linguistic Approaches*. Under review at Cambridge University Press.
- Crossley, S. A., & McNamara, D. S. Predicting second language writing proficiency: The role of cohesion, readability, and lexical difficulty. *Journal of Research in Reading*.
- Bell, N. D., Crossley, S. A., & Hempelmann, C. F. Wordplay in church marquees. *Humor*.
- McNamara, D. S., Crossley, S. A., & McCarthy, P. M. The linguistic features of quality writing. *Written Communication*.
- Crossley, S. A., & Salsbury, T. Using lexical indices to predict produced and not produced words in second language learners. *The Mental Lexicon*.
- Crossley, S. A., Salsbury, T., McNamara, D. S., & Jarvis, S. Predicting lexical proficiency in language learners using computational indices. *Language Testing*.

Invited Presentations

- Crossley, S. A., & McCarthy, P. M. (2005, March). *Corpus linguistics* Hot Topics at annual Teachers of English to Speakers of Other Languages (TESOL), San Antonio, Texas.

Presentations and Workshops

- Crossley, S. A. (2002, March). *A structural analysis of the American murder ballad*. Presentation at the annual South-Eastern Conference on Linguistics (SECOL) LXVII, Baltimore, Maryland.
- Crossley, S. A. & Hall, C. (2003, April). *Teaching large group oral language skills*. Presentation at the annual Teachers of English to Speakers of Other Languages (TESOL), Baltimore, Maryland.

- Crossley, S. A. (2003, November). *The defamiliarization techniques of hip-hop music*. Presentation at the annual South Atlantic Modern Language Association (SAMLTA), Atlanta, Georgia.
- Crossley, S. A. (2004, November). *The effects of spatial and temporal cohesion in ESP writing*. Presentation at the annual Second Language Research Forum (SLRF), Pennsylvania State University, Pennsylvania.
- Crossley, S. A. & McCarthy, P. M. (2005, March). *Computational ESL*. Presentation at the annual Teachers of English to Speakers of Other Languages (TESOL), San Antonio, Texas.
- Crossley, S. A. & McNamara, D. S. (2006, October). *Identifying text types: The case of humans and machines*. Presentation at the annual Second Language Research Forum (SLRF), University of Washington, Washington.
- Crossley, S. A. & McNamara, D. S. (2006, October). *Identifying text simplification: Means and meaning*. Poster presentation at the annual Second Language Research Forum (SLRF), University of Washington, Washington.
- Crossley, S. A., Hall, C., McCarthy, P. M., & McNamara, D. S. (March, 2007). *Means and meaning of identifying text simplification*. Presentation at the annual Teachers of English to Speakers of Other Languages (TESOL), Seattle, Washington.
- Crossley, S. A., McCarthy, P. M., and McNamara, D. S. (May, 2007). *Discriminating between second language learning text-types*. Presentation at the 20th International Florida Artificial Intelligence Research Society (FLAIRS), Key West, Florida.
- Crossley, S. A., Dufty, D. F., McCarthy, P. M. & McNamara, D. S. (August, 2007). *Toward a new readability: A mixed model approach*. Presentation at the 29th Annual Conference of the Cognitive Science Society, Nashville, Tennessee.
- Crossley, S. A., Salsbury, T., & McNamara, D. S. (April, 2008). *Using Latent Semantic Analysis to investigate the growth of L2 lexical networks*. Presentation at the Annual American Association for Applied Linguists, Washington, D.C.
- Crossley, S. A., Salsbury, T. McCarthy, P. M. & McNamara, D. S. (May, 2008). *Using Latent Semantic Analysis to explore second language lexical development*. Presentation at the 21st International Florida Artificial Intelligence Research Society (FLAIRS), Coconut Grove, Florida.

Crossley, S. A., Miller, N. C., McCarthy, P. M., & McNamara, D. S. (November, 2008). *Distinguishing between Low and High Proficiency Essays Using Cognitively Inspired Computational Indices*. Presentation at the 2008 Society for Computers in Psychology Conference (SCiP), Chicago, Illinois.

Crossley, S. A., Boggess, G., & Salsbury, T. (May 2009). *Exploring Lexical Network Development in Second Language Learners*. Presentation at the 22nd International Florida Artificial Intelligence Research Society (FLAIRS), Sanibel Island, Florida.

Other Presentations (not main presenter)

Louwerse, M. M. & Crossley, S. A. (2006, May). *Dialog act classification using n-gram algorithms*. Presentation at the annual Florida Artificial Intelligence Research Society (FLAIRS), Melbourne, Florida.

Dufty, D. F., Graesser, A. C., Lightman, E., Crossley, S. A., and McNamara, D. S. (2006, July). *An algorithm for detecting spatial cohesion in text*. Presentation at the 16th Annual Meeting of the Society for Text and Discourse, Minneapolis, MN.

Crossley, S. A., McCarthy, P. M., Lewis, G. A., Dufty, D. F., Louwerse, M. M. & McNamara, D. S. (2006, July). *Detecting manipulated texts*. Poster presentation at the 28th annual conference of the Cognitive Science Society. Vancouver, British Columbia, Canada.

Crossley, S. A. & Hempelmann, C. F. (2006, July). *Church Puns: The Humor of the Christian Marquee Board*. Presentation at the 18th International ISHS Humor Conference, Copenhagen, Denmark.

McCarthy, P. M., Rus, V., Crossley, S. A., Bigham, S. C., Graesser, A. C., & McNamara, D. S. (May, 2007). *Assessing entailment with a corpus of natural language from an intelligent tutoring system*. Poster presentation at the 20th International Florida Artificial Intelligence Research Society (FLAIRS), Key West, Florida.

Salsbury, T., Crossley, S. A., & McNamara, D. S. (April, 2008). *Psycholinguistic word information in second language oral discourse*. Presentation at the Annual American Association for Applied Linguists, Washington, D.C.

McCarthy, P. M., Rus, V., Crossley, S. A., Graesser, A. C., & McNamara, D. S. (May, 2008). *Assessing forward-, reverse-, and average entailment indices on natural language input from the intelligent tutoring system, iSTART*. Presentation at the 21st International Florida Artificial Intelligence Research Society (FLAIRS), Coconut Grove, Florida.

Crossley, S. A., Salsbury, T., McCarthy, P. M., & McNamara, D. S. (July 2008) *LSA as a measure of second language natural discourse*. Poster Presentation at the 30th annual conference of the Cognitive Science Society. Washington, D.C.

Crossley, S. A. & Anderson, T. A. (July 2008) *Rue with a Difference: A Stylistic Analysis of the Rhetoric of Suicide in Hamlet*. Presentation at 11th international conference of the International Society for the Empirical Study of Literature and Media. Memphis, TN.

Salsbury, T., & Crossley, S. A. (March, 2009) *Lexical development in the discourse of mathematics among English language learners*. Presentation at the Annual American Association for Applied Linguists, Denver, Colorado.

Duran, N., Crossley, S. A., McCarthy, P. M., Hall, C., & McNamara, D. (May 2009). *Using Coh-Metrix to Analyze Deception with Linguistic Indices*. Presentation at the 22nd International Florida Artificial Intelligence Research Society (FLAIRS), Sanibel Island, Florida.

University Teaching

Analytical Composition, University of Memphis, Spring 2002; Summer 2002; undergraduate course focusing on the writing processes needed for research papers and advanced analytical compositions.

Modern Grammar, University of Memphis, Fall 2003; Spring 2003; Summer 2003; undergraduate linguistics course that explores the practical relations between transformation/generative grammar and categorical grammar.

Practical Grammar, University of Memphis, Spring 2003; undergraduate course that introduces educational majors to the functions and forms of English grammar.

Business English Composition, ITESM, Fall 2003; Spring 2004; an undergraduate course that introduces business majors to the rhetorical structures found in business composition and dialogue.

Learning Technologies Seminar, University of Memphis, Spring 2005; supplementary teaching for Zhiqiang Cai in graduate level introduction course.

Natural Language Processing, University of Memphis, Spring 2005; supplementary teaching for Vasile Rus in graduate-level introduction course.

Syntax, University of Memphis, Spring 2005; supplementary teaching for Charles Hall in graduate-level introduction course.

Analytical Composition, Mississippi State University, Fall 2005; undergraduate course focusing on the writing processes needed for research papers and advanced analytical compositions.

Second Language Acquisition, Mississippi State University, Fall 2005; Fall 2006; Fall 2007; Fall 2008; graduate and undergraduate class that introduced students to theories, research approaches, and data collection in SLA.

Introduction to Linguistics, Mississippi State University, Fall 2005; Spring 2006; Summer 2007; Spring 2008; Summer 2008; graduate and undergraduate course that introduced students to basic linguistic theories.

Approaches to TESOL, Mississippi State University, Spring 2006; Spring 2007; Spring 2008; Spring 2009; graduate and undergraduate course that introduced students to the theoretical approaches of second language teaching.

Syntax (Lexical-Functional Approaches, X-Bar Theory, and Cognitive Grammar), Mississippi State University, Spring 2006; Spring 2007; Spring 2009; graduate and undergraduate course that introduced students to lexical and functional approaches to the teaching of syntax.

TESOL Methods, Mississippi State University, Fall 2006; Fall 2007; Fall 2008; graduate and undergraduate course that introduced students to practical methods for successful TESOL class management, second language acquisition, and basic pedagogy skills.

Linguistics and Literature, Mississippi State University, Spring 2008; graduate and undergraduate course that introduced students to linguistic, stylistic methodologies for critically analyzing literature and texts.

TESOL Practicum, Mississippi State University, Summer 2008; study abroad program (Mexico) for both graduate and undergraduate students to introduce students to methods and approaches used successfully in EFL classrooms.

Language Myths, Mississippi State University, Fall 2008; first year seminar that introduced students to the manner in which language can be used to manipulate how we categorize and frame world views.

Professional Activities

2007-2009: Co-Chair: *Florida Artificial Intelligence Research Society, Applied Natural Language Processing Special Track.*

2006- 2007: External Reviewer/Program Committee Member, *Florida Artificial Intelligence Research Society: Applied Natural Language Processing Special Track.*

2007-Present: External Reviewer, *Cognitive Science Society.*

2008-Present: External Reviewer, *Language Teaching*.

2008-Present: External Reviewer, *Journal of Educational Psychology*.

2008-Present: External Reviewer, *Linguistics and Education*.

2008-Present: External Reviewer, *English for Specific Purpose*.

2008-Present: External Reviewer, *Psychonomic Bulletin and Review*.

2009-Present: External Reviewer, *Cognitive Science*.

Dissertation Committees

Tinukwa Chibuzor Okojie-Boulder (Education): Current

University and Professional Service

Director TESOL Program: Mississippi State University, 2006-Present.

Student Advisor: General Liberal Arts Program, Mississippi State University, 2006-Present.

Student Advisor: English Department, Mississippi State University, 2007-Present.

Chair: Linguistic Committee, Mississippi State University, 2006-Present.

Head: Linguistics Hiring Committee, 2007-2009.

Coordinator: University of Memphis Language and Literature Forum, University of Memphis, 2003.

Travel Grant Scholarship Reviewer, American Association for Applied Linguistics, 2008-Present.

Membership in Professional Societies

Member of the South-Eastern Conference on Linguistics, 2002-2004

Member of South Atlantic Modern Language Association, 2002-2004

Member of Second Language Research Forum, 2004-2007

Member of Teachers of English to Speakers of other Languages, 2003-2007

Member of Florida Artificial Intelligence Research Society, 2006-Present

Member of Cognitive Science Society, 2006-Present

Member American Association for Applied Linguists, 2008-Present

Awards

2003: University of Memphis English Department Award for Excellence: Linguistics

2009: College of Arts and Sciences, Mississippi State University, Researcher of the Month (June)