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CURRENT POSITION

Assistant Professor, Department of Psychology, Oberlin College

EDUCATION

A.B. in Cognitive Science, with General Honors and Departmental Honors, Vassar College, 1991
1989-90, Junior Year Abroad, University of Sussex, England

M.A. in Brain and Cognitive Sciences, University of Rochester, 1999

Ph.D. in Brain and Cognitive Sciences, University of Rochester, 2001
Advisor: Dr. Michael K. Tanenhaus
Dissertation: *The effects of linguistic form, common ground, and perspective on domains of referential interpretation*

NIH National Research Service Award Postdoctoral Fellow, SUNY Stony Brook, 2001 – 2004
Sponsor: Dr. Susan E. Brennan
Title: *The use of perspective during referential communication*

Postdoctoral Fellow, NSF Information Technology Research grant, SUNY Stony Brook, Feb-June, 2004
Principle Investigator: Dr. Susan E. Brennan
Title: *Adaptive spoken dialog with human and computer partners*

HONORS

Phi Beta Kappa, 1990

Honorable Mention, National Science Foundation Graduate Fellowship, 1993

Andrew Delaney Junior Faculty Fellowship, 2007

EXTERNAL GRANTS

NIH Individual Postdoctoral National Research Service Award, 2001-2004

Byron, D. K. & Hanna, J. E. (March, 2006). Mental models of dialog characters. Proposal submitted to Motorola, University Partnerships in Research program. (Not funded.)

Hanna, J. E. & Byron, D. K. (submitted November, 2006; FUNDED October, 2007; NSF-approved no-cost extensions through 3/2013; Supplement to J.E. Hanna awarded June, 2012). Collaborative Research: Establishing and Breaking Conceptual Pacts with Dialog Partners. NSF RUI (joint review by Information and Intelligent Systems/Human-Robot Interaction, and Behavioral and Cognitive Sciences/Perception, Action, and Cognition).

INTERNAL GRANTS

Student Research Assistant Grant, *The use of egocentric and non-egocentric spatial perspectives during referential communication*, Research and Development Committee, 2005-06.

Student Research Assistant Grant, *The interaction of lexical form, functional context, and conversational partner on the comprehension of referring expressions*, Research and Development Committee, 2006-07.

REFEREED JOURNAL ARTICLES AND CHAPTERS

Caplan, D. and **Hanna, J.E.** (1998). Sentence production by aphasic patients in a constrained task. *Brain and Language*, 63, 184-218.

Tanenhaus, M.K., Spivey-Knowlton, M.J., & **Hanna, J.E.** (2000). Modeling thematic and discourse context effects within a multiple constraints framework: Implications for the architecture of the language comprehension system. In M. Crocker et al. (Eds.), *Architectures and Mechanisms for Language Processing*. Cambridge: University of Cambridge Press.

Hanna, J.E., Tanenhaus, M.K., & Trueswell, J.C. (2003). The effects of common ground and perspective on domains of referential interpretation. *Journal of Memory and Language*, 49, 43-61.

Hanna, J.E. & Tanenhaus, M.K. (2004). Pragmatic effects on reference resolution in a collaborative task: Evidence from eye movements. *Cognitive Science*, 28, 105-115.

Tanenhaus, M.K., Chambers, C.G., & **Hanna, J.E.** (2004). Referential domains in spoken language comprehension: Using eye movements to bridge the product and action traditions. In J. M. Henderson & F. Ferreira (Eds.), *The interface of language, vision, and action: Eye movements and the visual world* (pp. 279-317). New York: Psychology Press.

Hanna, J.E. & Tanenhaus, M.K. (2005). The use of perspective during referential interpretation. In J. C. Trueswell & M. K. Tanenhaus (Eds.), *Approaches to world-situated language use: Bridging the language-as-product and language-as-action traditions* (pp. 133-152). Cambridge, MA: MIT Press.

Hanna, J.E. & Brennan, S.E. (2007). Speakers' eye gaze disambiguates referring expressions early during face-to-face conversation. *Journal of Memory and Language*, 57, 596-615.

Brennan, S.E. & **Hanna, J.E.** (2009). Partner-specific adaptation in dialogue. *Topics in Cognitive Science (Special Issue on Joint Action)*, 1, 274-291.

Brown-Schmidt, S. & **Hanna, J.E.** (2011). Talking in another person's shoes: Incremental perspective-taking in language processing. *Dialog and Discourse*, 2, 11-33.

ARTICLES IN CONFERENCE PROCEEDINGS AND POSITION PAPERS

Brennan, S.E., **Hanna, J.E.**, Zelinsky, G.J., & *Savietta, K.J. (2012). Eye gaze cues for coordination in collaborative tasks. DUET 2012: Dual eye tracking in CSCW; 2012 ACM Conference on Computer Supported Cooperative Work, Seattle, WA.

SUBMITTED FOR REVIEW & MANUSCRIPTS

Hanna, J.E., Brennan, S.E., & *Savietta, K.J. (Under revision). Costs and benefits of using a speaker's eye-gaze in face-to-face communication. Accepted with revisions at *Cognitive Science*.

* = undergraduate student

PRESENTATIONS

(shaded were submitted or accepted as indicated, but not presented)

Hanna, J.E., Barker, C., & Tanenhaus, M.K. (March, 1995). Integrating local and discourse constraints in resolving lexical thematic ambiguities. Poster presented at the Eighth Annual CUNY Sentence Processing Conference. Tucson, AZ.

Spivey-Knowlton, M.J., **Hanna, J.E.**, & Tanenhaus, M.K. (March, 1996). Modeling discourse context effects: a multiple constraints approach. Paper presented at the Ninth Annual CUNY Sentence Processing Conference. New York, NY.

Hanna, J.E., Spivey-Knowlton, M.J., & Tanenhaus, M.K. (July, 1996). Integrating discourse and local constraints in resolving lexical thematic ambiguities. Paper presented at the Eighteenth Annual Meeting of the Cognitive Science Society. La Jolla, CA.

Hanna, J.E., Trueswell, J.C., Tanenhaus, M.K., & *Novick, J.M. (August, 1997). Consulting common ground during referential interpretation. Poster presented at the Nineteenth Annual Meeting of the Cognitive Science Society. Palo Alto, CA.

Hanna, J.E., Trueswell, J.C., Tanenhaus, M.K., & *Novick, J.M. (November, 1997). Consulting common ground during referential interpretation. Poster presented at the Thirty-Eighth Annual Meeting of the Psychonomic Society. Philadelphia, PA.

Hanna, J.E., Trueswell, J.C., Tanenhaus, M.K., & Novick, J.M. (March, 1998). Consulting common ground during referential interpretation. Paper presented at the Eleventh Annual CUNY Conference on Human Sentence Processing. Rutgers, NJ.

Hanna, J.E. & Tanenhaus, M.K. (March, 2001). The use of perspective during referential interpretation. Paper presented at the Fourteenth Annual CUNY Conference on Human Sentence Processing. Philadelphia, PA.

Hanna, J.E. & Brennan, S.E. (November, 2002). The production and use of eye gaze during referring. Poster presented at the Forty-Third Annual Meeting of the Psychonomic Society. Kansas City, MO.

Hanna, J.E. & Brennan, S.E. (March, 2003). The production and use of eye gaze during referring. Poster accepted at the Fifteenth Annual CUNY Conference on Human Sentence Processing. Boston, MA.

Hanna, J.E. & Brennan, S.E. (May, 2003). Eye gaze has immediate effects on reference resolution in conversation. Poster presented at the Fifteenth Annual Convention of the American Psychological Society. Atlanta, GA.

Hanna, J.E. & Brennan, S.E. (November, 2003). Eye gaze has immediate effects on reference resolution in conversation. Poster presented at the Forty-Fourth Annual Meeting of the Psychonomic Society. Vancouver, Canada.

Hanna, J.E. & Brennan, S.E. (March, 2004). Using a speaker's eye gaze during comprehension: A cue both rapid and flexible. Poster presented at the Sixteenth Annual CUNY Conference on Human Sentence Processing. College Park, MD.

Hanna, J.E. & Brennan, S.E. (November, 2005). The flexible use of eye gaze in face-to-face referential communication. Poster presented at the Forty-Sixth Annual Meeting of the Psychonomic Society. Toronto, Canada.

Hanna, J.E. & Gerrig, R.J. (March, 2006). The structural preferences of novel denominal verbs. Poster presented at the Eighteenth Annual CUNY Conference on Human Sentence Processing. New York, NY.

Hanna, J.E. & Brennan, S.E. (November, 2006). Costs and benefits of using a speaker's eye-gaze in face-to-face communication. Poster presented at the Forty-Seventh Annual Meeting of the Psychonomic Society. Houston, Texas.

Hanna, J.E. & Brennan, S.E. (March, 2008). Costs and benefits of using a speaker's eye-gaze in face-to-face communication. Poster presented at the Twentieth Annual CUNY Conference on Human Sentence Processing. Chapel Hill, NC.

Hanna, J.E. & Byron, D. (2010). Expectations of common ground with a computer dialog agent. Poster proposal accepted at the 32nd Annual Meeting of the Cognitive Science Society.

Hanna, J.E. & Brennan, S.E. (December, 2010). Costs and benefits of using a speaker's eye-gaze in face-to-face communication. Poster abstract submitted to the Twenty-Third Annual CUNY Conference on Human Sentence Processing.

Hanna, J.E. & Brennan, S.E. (July, 2011). Using a speaker's eye-gaze in conversation: Benefits and costs. Poster presented at the 33rd Annual Meeting of the Cognitive Science Society. Boston, MA.

*Strait, C.E., deWinstanley, P. & **Hanna, J.E.** (July, 2011). Tailoring the level of detail in task instructions to cognitive style. Poster presented at the 33rd Annual Meeting of the Cognitive Science Society. Boston, MA.

* = undergraduate student

INVITED PRESENTATIONS

Hanna, J.E. (July, 2002). The use of perspective during referential interpretation. Invited talk. Department of Psychology, University of Connecticut. Storrs, CT.

Hanna, J.E. (December, 2002). The use of perspective during referential interpretation. Invited talk. Department of Psychology, The New School. New York City, NY.

Hanna, J.E. (June, 2009). Incremental perspective-taking in conversation: Putting context in language processing and language processing in context. Invited talk given at the Workshop on Incrementality in Verbal Interaction, Center for Interdisciplinary Research (ZiF), University of Bielefeld. Bielefeld, Germany.

Hanna, J.E. (April, 2011). Getting some perspective: how what you know, where you look, and your point of view all matter for language comprehension in conversation. Invited talk given for the Cognitive Science Group at the Beckman Institute for Advanced Science and Technology and the Department of Psychology at the University of Illinois at Urbana-Champaign. Urbana-Champaign, IL.

OTHER RESEARCH EXPERIENCE

Undergraduate Thesis, Vassar College, 1991

Advisor: Dr. Kenneth Livingston

Title: *Young children's understanding of referential ambiguity*

Research Assistant, Neuropsychology Laboratory, Massachusetts General Hospital, 1991-1993

Director: Dr. David Caplan

Project: *Sentence production in aphasics*

TEACHING AND ADVISING EXPERIENCE

University of Rochester:

Teaching assistant for Cognition with Professor Michael K. Tanenhaus; Spring 1994 and 1996

Assisted Professor Michael K. Tanenhaus in undergraduate thesis supervision; Spring 1996

Eiling Yee, *Effects of discourse context, syntactic priming, and verb bias on gap-filling*

Instructor for Foundations of Cognitive Science; Fall 1996, 1997, 1999 and Summer 1997, 1998

State University of New York at Stony Brook:

Instructor for Women in Science and Engineering (WISE) Laboratory Rotation; February and April 2002, 2004

The eyes as a window to language processing: The use of head-mounted eye-tracking to study language comprehension and production in conversation

Instructor for Psychology of Language; Spring 2003

Oberlin College:

The Study of Behavior; 2004 - present

Seminar in Psycholinguistics; 2004 - present

Research Discussion Group; F 2004/05/06

Cognitive Psychology; S 2005 - present

Advanced Methods/Laboratory in Cognitive Psychology; S 2005, F 2005/06

First Year Seminar Psychological Mythbusters; F 2011/12

Primary Honors (*)/Independent Research (#) advisor for:

*Cheyenne Munson; 2004-05

Children's use of pragmatics in reference resolution

*Nathan Q. Brewer; 2005-06

Effects of suppressing discomfort thoughts on respiratory sinus arrhythmia

*Caleb Straight; 2010-11 (shared with P. deWinstanley)

Tailoring the level of detail in task instructions to cognitive style

*Dalya Umans; 2010-11 (shared with P. deWinstanley)

Language flexibility and personality

#John Pellman; 2011-12

Mirth in context: How priming affects perspective-taking humor

Secondary Honors advisor for:

Paula Altman; 2004-05

The power of self-affirmation to lessen mortality salience effects

Sarah Mancuso; 2005-06

Tolerance in terror: Terror-management theory and ideological rigidity

Oriana Syed; 2005-06

Own-race bias and memory bias: Making a connection

Melanie Henderson; 2006-07

Perspective taking as a mediator of the high status-power abuse relationship: the effects of perspective taking on power use and power abuse outcomes

Benjamin Striner; 2007-08

A Comparison of Idiomatic Processing Models

Francesca Marciani, 2008-09

Socioeconomic differences in child language development: An integrative focus

Jasmine Mote, 2008-09

The effects of tempo and familiarity on children's interpretation of emotion in music

Alanna Epstein, 2009-10

Theory of intelligence, efficacy, and satisfaction among volunteer tutors

Chelsea Thomas, 2010-2011

Benefits of interaction with animals in a non-clinical population

Cora Allen-Coleman, 2010-2011

Gender differences in Post-Traumatic Stress Disorder treatment: A review and meta-analysis

COMMITTEES

Institutional Review Board, Oberlin College, F 2005 - S 2009, F 2010 - present

Cognitive Science Curriculum, Oberlin College, F 2005 - present

Department Representative to Sigma Xi, 2006 - 2011

PROFESSIONAL ACTIVITIES

Graduate Student Representative, Cognitive Science Steering Committee, University of Rochester, 1994-97

Brain and Cognitive Sciences Colloquium Series Committee, University of Rochester, 1998-99

Member:

American Psychological Society

Cognitive Science Society

Psychonomic Society (Associate)

Ad hoc reviewer for:

Conferences -

Conference of the Cognitive Science Society

CUNY Sentence Processing Conference

Journals -

Cognition

Discourse Processes

Journal of Memory and Language

Language and Cognitive Processes

Psychological Science

Psychonomic Bulletin & Review

Topics in Cognitive Science

Funding agencies -

National Science Foundation

Social Sciences and Humanities Research Council of Canada

Panel Review(s) for:

National Science Foundation (Information and Intelligent Systems)