

Drew H. Abney

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EDUCATION

Postdoctoral Fellow <i>Indiana University</i> Department of Psychological and Brain Sciences NICHD Training Program in Integrative Developmental Processes (T32) Advisors: Chen Yu & Linda B. Smith	2016-present
Ph.D. in Cognitive and Information Sciences <i>University of California, Merced</i> Cognitive and Information Sciences	2016
M.S. in Experimental Psychology Dual degrees: Cognitive/Behavioral Sciences & Quantitative Psychology <i>Illinois State University</i> Department of Psychology	2012
M.S. in Science, Technology, Engineering, & Technology Education <i>Illinois State University</i> Department of Technology	2010
B.S. in Technology Education <i>Illinois State University</i> Department of Technology	2008

PUBLICATIONS

Peer-Reviewed Journal Articles

- [17] **Abney, D.H.**, Warlaumont, A.S., Oller, D.K., Wallot, S. & Kello, C.T. (2016). Multiple coordination patterns in infant and adult vocalizations. *Infancy*.
- [16] **Abney, D.H.**, Kello, C.T., & Balasubramaniam, R. (2016). Introduction and application of the multiscale coefficient of variation analysis. *Behavior Research Methods*.
- [15] Ross, J.M., Warlaumont, A.S., **Abney, D.H.**, Rigoli, L.M. & Balasubramaniam, R. (2016). Influence of Musical Groove on Postural Sway. *Journal of Experimental Psychology: Human Perception and Performance*.
- [14] **Abney, D.H.**, & Wagman, J.B. (2015). Direct learning in auditory perception: An information-space analysis of perception of object length by sound. *Ecological Psychology*.

- [13] **Abney, D.H.**, Warlaumont, A.S., & Kello, C.T. (2015). Production and convergence of multiscale clustering of speech. *Ecological Psychology*.
- [12] **Abney, D.H.**, Paxton, A., Dale, R., & Kello, C. (2015). Movement dynamics reflect a functional role for weak coupling and role structure in dyadic problem solving. *Cognitive Processing*.
- [11] **Abney, D.H.**, McBride, D.M., Conte, A. & Vinson, D.W. (2014). Response dynamics in prospective memory. *Psychonomic Bulletin & Review*.
- [10] **Abney, D.H.**, Paxton, A., Kello, C., & Dale, R. (2014). Complexity matching in dyadic interaction. *Journal of Experimental Psychology: General*, 143(6), 2304-2315.
- [9] **Abney, D.H.**, Warlaumont, A.S., Haussmann, A., Ross, J., Wallot, S. (2014). Using nonlinear methods to quantify infant motor and vocal development. *Frontiers in Developmental Psychology*, 143(6), 2304-2315.
- [8] Vinson, D.W., **Abney, D.H.**, Warlaumont, A.S., Dale, R., & Matlock, T. (2014). The influence of linguistic and social information on visual memory. *Frontiers in Cognitive Science*.
- [7] **Abney, D.H.**, Dale, R., Yoshimi, J., Fusaroli, R., Kello, C.T., & Tylen, K. (2014). Joint perceptual decision-making: A case study in explanatory pluralism. *Frontiers in Theoretical and Philosophical Psychology*.
- [6] **Abney, D.H.**, Wagman, J.B., & Schneider, J. (2014). Changing grasp position on a wielded object provides self-training for perception of length. *Attention, Perception, & Psychophysics*.
- [5] Wagman, J.B. & **Abney, D.H.** (2013). Is calibration of the perception of length modality-independent? *Attention, Perception, & Psychophysics*.
- [4] **Abney, D.H.**, McBride, D.M., & Petrella, S.N. (2013). Interactive effects in transfer-appropriate processing for event-based prospective memory. *Memory & Cognition*.
- [3] McBride, D.M. & **Abney, D.H.** (2012). A comparison of transfer- appropriate processing and multi-process frameworks for prospective memory performance. *Experimental Psychology*.
- [2] Wagman, J.B. & **Abney, D.H.** (2012). Transfer of recalibration from audition to touch: Modality independence as a special case of anatomical independence. *Journal of Experimental Psychology: Human Perception and Performance*. 38(3), 589-602.
- [1] McBride, D.M., Beckner, J. & **Abney, D.H.** (2011). Effect of placement of prospective memory cues in an ongoing task on prospective memory task performance. *Memory & Cognition*. 39, 1222-1231.

Manuscripts under review/revision

Jordan, J.S., Schloesser, D.S., Bai, J., **Abney, D.H.** (*under revision*). Spatial and temporal dependencies during joint action: A potential integration of representational and dynamical approaches.

Abney, D.H., Gann, T.M., Huette, S., Matlock, T. (*under revision*). The Language of Uncertainty and Political Ideology in Climate Change.

Abney, D.H., Dale, R., Louwerse, M.M., Kello, C. T. (*under review*). The bursts and lulls of multimodal interaction: Temporal distributions of behavior reveal differences between verbal and non-verbal communication.

Abney, D.H., Suanda, S., Smith, L.B., Yu, C. (*under review*). What are you looking at? Why parent-infant coordinated attention predicts later vocabulary.

Edited Books

Weast-Knapp, J., Malone, M., **Abney, D.** (Eds) (2015). Studies in Perception and Action XIII. Proceedings from the Eighteenth International Conference on Perception and Action. Minneapolis, MN.

Peer-Reviewed Proceedings

Abney, D.H., Smith, L.B., Yu, C. (2017). It's Time: Quantifying the Relevant Timescales for Joint Attention. *Proceedings of the 39th Annual Meeting of the Cognitive Science Society*.

Abney, D.H., Dale, R., Kello, C.T., Louwerse, M.M. (2017). Burstiness across multimodal human interaction reveals differences between verbal and non-verbal communication. *Proceedings of the 39th Annual Meeting of the Cognitive Science Society*.

Xu, T. L., **Abney, D.H.**, Yu, C. (2017). Discovering Multicausality in the Development of Coordinated Behavior. *Proceedings of the 39th Annual Meeting of the Cognitive Science Society*.

Bunce, J.P., **Abney, D. H.**, Gordon, C.L., Spivey, M.J., & Scott, R.M. (2016). Using Motor Dynamics to Explore Real-time Competition in Cross-situational Word Learning: Evidence From Two Novel Paradigms. In J. Trueswell, A. Papafragou, D. Grodner, & D. Mirman (Eds.), *Proceedings of the 36th Annual Meeting of the Cognitive Science Society*.

Bunce, J., Gordon, C., **Abney, D.H.**, Fleming, M., Greenwood, M., Chiu, E., Spivey, M.J., Scott, R. (2016). Mouse Tracking Reveals Knowledge of Multiple Competing Referents During Cross-situational Word Learning. *Boston University*

Conference on Language Development Proceedings.

Abney, D. H. & Thomas, B. (2015). Exploration in information space during affordance perception. In Weast-Knapp, J., Malone, M., & Abney, D.H. (Eds.), *Studies in Perception and Action XIII: Proceedings from the Eighteenth International Conference on Perception and Action*.

Schloesser, D.S., Wagman, J.B. & **Abney, D. H.** (2015). Flip this rod! Changing grasp position can recalibrate perception of length by dynamic touch. In Weast-Knapp, J., Malone, M., & Abney, D.H. (Eds.), *Studies in Perception and Action XIII: Proceedings from the Eighteenth International Conference on Perception and Action*.

Paxton, A., **Abney, D.H.**, Kello, C. K., & Dale, R. (2014). Network analysis of multimodal, multiscale coordination in dyadic problem solving. In P. Bello, M. Guarini, M. McShane & B. Scassellati (Eds.) *Proceedings of the 36th Annual Meeting of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

Abney, D. H., Paxton, A., Kello, C., & Dale, R. (2013). Complexity matching in dyadic interactions. In P. Passos, J. Barrios, R. Cordovil, D. Araujo, & F. Melo (Eds.), *Studies in Perception and Action XII: Proceedings from the Seventeenth International Conference on Perception and Action*.

Commentaries

Vinson, D.W., **Abney, D.H.**, Amso, D., Anderson, M. L., Chemero, T., Cutting, J.E., Dale, R., Richardson, D., Friston, K., Gallagher, S., Jordan, J.S., Mudrik, L., Ondobaka, S., Shams, L., Shiffrar, M., & Spivey, M. (2015). Perception, as You Make It. Commentary on C. Firestone & B. Scholl's "Cognition does not affect perception: Evaluating the evidence for 'top-down' effects". *Behavioral and Brain Sciences*.

INVITED TALKS & LECTURES

Abney, D.H. (2016). The Complexity Matching hypothesis for human communication. Cognitive and Behavioral Sciences Colloquium, Illinois State University, Normal, IL.

Abney, D.H. (2016). The Complexity Matching hypothesis for human communication. Cognition, Perception, and Action (CAP) Speaker Series, University of Cincinnati, Cincinnati, OH.

Abney, D.H. (2016). Complexity matching, coordination patterns, and development. CogNetwork Colloquium Series, University of California, Berkeley, Berkeley, CA.

Abney, D.H. (2015). Complexity matching, coordination patterns, and development. Department of Psychological and Brain Sciences, Indiana University, Bloomington, IN.

Abney, D.H. (2014). Complexity matching in conversational contexts. CogNetwork Colloquium Series, University of California, Berkeley, Berkeley, CA.

AWARDS

- 2016 UC Merced GradSLAM Finalist (\$250) University of California, Merced
- 2015 Hatano Cognitive Development Research Fellowship (\$1000) University of California, Merced
- 2015 Cognitive and Information Sciences Summer Fellowship (\$2,250) University of California, Merced
- 2014 Birnbaum Award Society for Computers in Psychology
- 2014 Cognitive and Information Sciences Travel Fellowship (\$1,050) University of California, Merced
- 2014 Cognitive and Information Sciences Summer Fellowship (\$3,800) University of California, Merced
- 2013 Cognitive and Information Sciences Travel Fellowship (\$2,000) University of California, Merced
- 2013 Cognitive and Information Sciences Summer Fellowship (\$2,500) University of California, Merced
- 2012 Charter Department Graduate Student Excellence Award Department of Psychology, Illinois State University
- 2011 Outstanding Psychology Graduate Assistant Award Department of Psychology, Illinois State University
- 2010 Rodney L. Custer Graduate Student Research Award Department of Psychology, Illinois State University
- 2010 The Donald Maley Spirit of Excellence Outstanding Graduate Student Citation International Technology and Engineering Education Association
- 2010 Graduate Student of the Year

PROFESSIONAL AFFILIATIONS

- 2016-*present* International Congress of Infant Studies
- 2015-*present* International Environmental Communication Association
- 2014-*present* Society for Computers in Psychology
- 2012-*present* Psychonomic Society

2012-present Cognitive Science Society

2011-present Association for Psychological Science

2011-2013 Midwest Psychological Association

2009-2010 International Technology and Engineering Educators Association

TEACHING EXPERIENCE

Instructor of Record

Technology and the Quality of Life

Teaching Assistant

Complex Adaptive Systems, Applied Ethics, Introduction to Language and Linguistics, Speech Processing, Mind, Brain, & Cognition

PROFESSIONAL SERVICE

2017-present Diversity Committee, International Society for Ecological Psychology

2015 An Evening on Free Will (Co-organizer) University of California, Merced.

2015 Second Annual Symposium on Child and Family. Professional growth event for community child educators University of California, Merced.

2013–2015 Undergraduate Cognitive Science Student Association (CSSA) co-founder/representative University of California, Merced.

2013 Student research talk organizer, Department of Cognitive and Information Sciences. University of California, Merced.

2010 Department Chair search committee (student group), Department of Psychology. Illinois State University.

PEER REVIEWING

Academic Journals

Attention, Perception, & Psychophysics, American Journal of Psychology, Developmental Science, Frontiers in Psychology, Journal of Memory & Language, Journal of Experimental Psychology: Human Performance and Perception, New Ideas in Psychology, Perception, PLOS One, Behavioral Research Methods, Ecological Psychology, American Journal of Speech-Language Pathology, Mind and Matter, Memory & Cognition

Proceedings

Annual Meeting of the Cognitive Science Society (2014, 2015, 2016, 2017)

International Conference on Perception and Action (2015)