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Education

1962-1967 University of California, Berkeley. B. A. in Physics, Honors.
1967-1968 University of Chicago. Student in Social Sciences.
1970-1974 University of California, San Diego. Ph.D. in Psychology.

Present position Alice Gabrielle Twight Professor of Psychology and Education; Cognitive Science Program Director, Northwestern University.

Academic Positions

2007-present Alice Gabrielle Twight Professor of Psychology, Cognitive Science Program Director, Northwestern University
1990-2007 Professor of Psychology, Cognitive Science Program Director, Northwestern University
1989-1990 Professor of Psychology, University of Illinois at Urbana-Champaign.
1984-1989 Associate Professor of Psychology, University of Illinois at Urbana-Champaign.
1977-1982 Scientist, Bolt Beranek and Newman, Inc.
1974-1977 Assistant Professor of Psychology, University of Washington.
1968-1970 Teacher, Achimota Preparatory School, Achimota, Ghana.

Fellowships and Honors

Governing Board, Cognitive Science Society, 1998-2004; 2015-2020
Member of the International Advisory Board of the VU University Amsterdam Metaphor Lab, 2012
Alexander von Humboldt Foundation Research Award, 2012
Journal of Cognition and Development's Editor's Choice Award for 2010
Scientific Advisory Board, Max Planck Institute for Psycholinguistics, 2007-2012
Fellow, Rockefeller Institute, Bellagio, Italy, 2006
Fellow of the Center for Advanced Study in the Behavioral Sciences, Stanford, CA., 1999-2000
President, Cognitive Science Society, 1993-1994
Society of Experimental Psychologists, 1999
Fellow of the American Academy of Arts and Sciences, 2010
Fellow of the American Academy for the Advancement of Science, 2004
Fellow of the American Psychology Association, 1995
Fellow of the American Psychological Society, 1995
Inaugural Fellow, Cognitive Science Society, 2003
Charter Fellow, Midwestern Psychology Association, 2010

Editorial Boards and Journals

Brain and Behavioral Sciences Associate

Editorial Board, *Language Learning and Development*

Associate Editor, *Cognitive Science* (2001-2006)

Advisory Editorial Board, *Journal of Cognitive Science* (Seoul)

Editorial Boards of *Language Learning and Development*, *Journal of the Learning Sciences*, *Journal of Experimental & Theoretical Artificial Intelligence*, and *Metaphor and Symbolic Activity*;

Affiliations

American Academy of Arts and Sciences (Fellow); American Psychological Association (Fellow);

American Psychological Society (Fellow); Brain and Behavioral Sciences Associate; Cognitive

Development Society; Cognitive Science Society (Fellow); Psychonomics Society; Society of

Experimental Psychologists; Society for Research in Child Development

Service

Director of Cognitive Science Program at Northwestern University; Cognitive Science 2015 Program Committee; Glushko Dissertation Prize Committee, (2013-2016); Cognitive Science Fellows Committee, 2014-2017; AAAS Electoral Committee; American Academy of Arts & Sciences Ad Hoc Cognitive Science Committee; Member of Advisory Board for the Max Planck Institute for Psycholinguistics (2006-2012); Cognitive Science Society Governing Board (1999-2005); Cognitive Science Society Past President; Associate Editor, *Cognitive Science* (2001-2006); Advisory Editorial Board of *Journal of Cognitive Science* (Seoul); Editorial Boards of *Cognitive Science*, *Language Learning and Development*, *Journal of the Learning Sciences*, *Journal of Experimental & Theoretical Artificial Intelligence*, and *Metaphor and Symbolic Activity*; Ad hoc reviewer for approximately 30 journals.

Research Support

NSF: SILC: Spatial Intelligence and Learning Center (CYCLE 1: \$5,006,247, 2006-2012; CYCLE 2: \$5,240,879, 2011-2016)

NSF: Investigating the development of analogical processing in infants. (with Sue Hesos, 2014 – 2017), \$399,675

ONR: Analogical learning and case-based instruction (with Ken Forbus, 2008 - 2013), \$1,811,314

Research Interests

Learning and reasoning; cognitive development; analogy, similarity and metaphor; language and cognition; conceptual representation; language acquisition.

Teaching

Cognitive Psychology, Cognitive Science, Cognitive Development, Language and Cognition, Learning and Reasoning, Analogy and Similarity

Publications and Manuscripts

Books

Gentner, D., & Goldin-Meadow, S. (Eds.) (2003). *Language in mind: Advances in the study of language and thought*. Cambridge, MA: MIT Press.

Gentner, D., Holyoak, K. J., & Kokinov, B. N. (Eds.). (2001). *The analogical mind: Perspectives from cognitive science*. Cambridge, MA: MIT Press.

Gentner, D., & Stevens, A. L. (Eds.). (1983). *Mental models*. Hillsdale, NJ: Erlbaum.

Peer-Reviewed Journal Articles, Book Chapters, and Proceedings

Asmuth, J. & Gentner, D. (submitted). Relational categories are more mutable than entity categories.

Christie, S., Gentner, D., Call, J., & Haun, D. (submitted). Sensitivity to relational similarity and object similarity in apes and children.

Goldwater, M. B., Sibley, D. Gentner, D., LaDue, N., & Libakin, J. (submitted). Expert-novice differences in causality-based knowledge organization.

Forbus, K. D., Ferguson, R. W., Lovett, A., & Gentner, D. (submitted). Extending SME to handle larger-scale cognitive modeling.

Sheehan, K. J., Gentner, D. & Uttal, D. H. (submitted). Young children rely on overall similarity to understand a novel symbol.

Simms, N., & Gentner, G. (submitted). Finding the middle: Spatial language and spatial reasoning.

Ferry, A., Hespos, S. J., & Gentner, D. (in press). Prelinguistic relational concepts: Investigating the origins of analogy in infants. *Child Development*.

Gentner, D. & Anggoro, F. (2015). Comparison as a route to insight. *Riabilitazione Neurocognitiva Quadrimestrale di Scienze del Recupero*, pp. 105-112. Vicenza, Italy: Centro Studi di Riabilitazione Neurocognitiva.

Gentner, D., Levine, S. C., Dhillon, S., Ping, R., Bradley, C., Isaia, A., & Honke, G. (2015). Rapid learning in a children's museum via analogical comparison. *Cognitive Science*, DOI: 10.1111/cogs.12248

Goldwater, M. B., & Gentner, D. (2015). On the acquisition of abstract knowledge: Structural alignment and explication in learning causal system categories. *Cognition*, 137, 137-153.

Jamrozik, A. & Gentner, D. (2015). Well-hidden regularities: Abstract uses of in and on retain an aspect of their spatial meaning. *Cognitive Science*. DOI: 10.1111/cogs.12218.

Christie, S. & Gentner, D. (2014). Language helps children succeed on a classic analogy task. *Cognitive Science*, 38. 383-397.

Edwards, B. J., Williams, J. J., Gentner, D., & Lombrozo, T. (2014). Effects of comparison and explanation on analogical transfer. In P. Bello, M. Guarini, M. McShane, & B. Scassellati (Eds.), *Proceedings of the 36th Annual Conference of the Cognitive Science Society* (pp. 445-450). Austin, TX: Cognitive Science Society.

- Jamrozik, A., & Gentner, D. (2014). Making sense of the abstract uses of the prepositions in and on. In P. Bello, M. Guarini, M. McShane, & B. Scassellati (Eds.), *Proceedings of the 36th Annual Conference of the Cognitive Science Society* (pp. 2411-2416). Austin, TX: Cognitive Science Society.
- Jee, B. D., Gentner, D., Uttal, D. H., Sageman, B., Forbus, K., Manduca, C., Ormand, C. J., Shipley, T., & Tikoff, B. (2014). Drawing on experience: How domain knowledge is reflected in sketches of scientific structures and processes. *Research in Science Education*, 44(6), 859-883.
- Kandaswamy, S., Forbus, K., & Gentner, D. (2014). Modeling learning via progressive alignment using interim generalizations. In P. Bello, M. Guarini, M. McShane, & B. Scassellati (Eds.), *Proceedings of the 36th Annual Conference of the Cognitive Science Society* (pp. 2471-2476). Austin, TX: Cognitive Science Society.
- Özçalışkan, S., Gentner, D., & Goldin-Meadow, S. (2013). Do iconic gestures pave the way for children's early verbs? *Applied Psycholinguistics*, 35, 1143-1162.
- Smith, L. A., & Gentner, D. (2014). The role of difference-detection in learning contrastive categories. In P. Bello, M. Guarini, M. McShane, & B. Scassellati (Eds.), *Proceedings of the 36th Annual Conference of the Cognitive Science Society* (pp. 1473-1478). Austin, TX: Cognitive Science Society.
- Finlayson, M., Fisseni, B., Gentner, D., et al. (2013). Computation and cognitive aspects of narrative. In M. Knauff, M. Pauen, N. Sebanz, & I. Wachsmuth (Eds.), *Proceedings of the Thirty-fifth Annual Meeting of the Cognitive Science Society*. (pp. 81-82) Austin, TX: Cognitive Science Society.
- Gentner, D., Özyürek, A., Gürcanli, Ö., & Goldin-Meadow, S. (2013). Spatial language facilitates spatial cognition: Evidence from children who lack language input. *Cognition*, 127(3), 318-330.
- Gentner, D., & Smith, L. A. (2013). Analogical learning and reasoning. In D. Reisberg (Ed.), *Oxford library of Psychology* (pp. 668-681). New York, NY: Oxford University Press.
- Jamrozik, A., & Gentner, D. (2013) Relational labels can improve relational retrieval. In M. Knauff, M. Pauen, N. Sebanz, & I. Wachsmuth (Eds.). *Proceedings of the Thirty-fifth Annual Meeting of the Cognitive Science Society*. (pp. 651-656) Austin, TX: Cognitive Science Society.
- Jamrozik, A., Sagi, E., Goldwater, M., & Gentner, D. (2013). Relational words have high metaphoric potential. In E. Shutova, B. Beigman Klebanov, J. Tetreault, & Z. Kozareva (Eds.), *Proceedings of the 2013 Meeting of the North American Association for Computational Linguistics: Human Language Technologies, First Workshop on Metaphor in NLP* (pp. 21- 26). Atlanta, Georgia: Association for Computational Linguistics.
- Jee, B., Uttal, D., Gentner, D., Manduca, C., Shipley, T., & Sageman, B. (2013). Finding faults: analogical comparison supports spatial concept learning in geoscience. *Cognitive Processing*, 14(2), 175-187.
- Kurtz, K. J., Boukrina, O., & Gentner, D. (2013). Comparison promotes learning and transfer of relational categories. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 39(4), 1303-1310.
- Kurtz, K. J., & Gentner, D. (2013). Detecting anomalous features in complex stimuli: The role of structured comparison. *Journal of Experimental Psychology: Applied*, 19(3), 219-232.
- Shipley, T. F., & Gentner, D. (2013). Introduction to the special issue on spatial learning and reasoning processes. *Cognitive Processing*, 14(2), 103-104.

- Simms, N., & Gentner, D. (2013) Encoding time and allocation of attention in analogical development. In M. Knauff, M. Pauen, N. Sebanz, & I. Wachsmuth (Eds.). *Proceedings of the Thirty-fifth Annual Meeting of the Cognitive Science Society*. (pp.1318-1323) Austin, TX: Cognitive Science Society.
- Christie, S. & Gentner, D. (2012). Language and cognition in development. In M. M. Spivey, K. McRae, & M. Joanisse (Eds.) *The Cambridge Handbook of Psycholinguistics*. Cambridge: Cambridge University Press, pp 653-673.
- Christie, S., Gentner, D., Imai, M., Haryu, E., Okada, H., Son, J. Y., ... & Richland, L. E. (2012). The role of comparison in structure learning: Developmental, learning science, and computational perspectives. . In N. Miyake, D. Peebles, & R. P. Cooper (Eds.) *Proceedings of the Thirty-fourth Annual Meeting of the Cognitive Science Society*. (pp. 34-35). Sapporo, Japan: Cognitive Science Society.
- Feist, M. I., & Gentner, D. (2012). Multiple influences on the use of English spatial prepositions: The case of “in” and “on”. In C. Boonthum-Denecke, P. M. McCarthy, & T. A. Lamkin (Eds.) *Cross-disciplinary advances in applied natural language processing: Issues and approaches*. Hershey, PA: IGI Global. 305-323.
- Gentner, D. & Smith, L. (2012). Analogical reasoning. In V. S. Ramachandran (Ed.) *Encyclopedia of Human Behavior* (2nd Ed.). pp. 130-136. Oxford, UK: Elsevier.
- Goldwater, M. B., Friedman, S., Gentner, D., Forbus, K., Fisher, C. L., Connor, M., ... & Dell, G. S. (2012). New frontiers in computational models of grammatical development. In N. Miyake, D. Peebles, & R. P. Cooper (Eds.) *Proceedings of the Thirty-fourth Annual Meeting of the Cognitive Science Society*. (pp. 40-41). Sapporo, Japan: Cognitive Science Society.
- Rottman, B. M., Gentner, D. & Goldwater, M. B. (2012). Causal systems categories: Differences in novice and expert categorization of causal phenomena. *Cognitive Science*, 36 (5). 919-932.
- Sagi, E., Gentner, D. & Lovett, A. (2012). What difference reveals about similarity. *Cognitive Science*, 36 (6). 1019-1050.
- Gentner, D. (2011). Metaphors for mind. In T. Luhrman (Ed.) *Toward an anthropological theory of mind. Suomen Antropologi: Journal of the Finnish Anthropological Society*, 36(4), 48-49.
- Gentner, D., Anggoro, F. K., & Klibanoff, R. S. (2011). Structure-mapping and relational language support children’s learning of relational categories. *Child Development*, 82(4). 1173-1188.
- Gentner, D., & Forbus, K. (2011). Computational models of analogy. *WIREs Cognitive Science*, 2. 266-276.
- Gentner, D. & Simms, N. (2011). Language and analogy in conceptual change. In *Behavioral and Brain Sciences*, 34(3). 128-129.
- Jamrozik, A., & Gentner, D. (2011). Prepositions in and on retain aspects of spatial meaning in abstract contexts. *Proceedings of the 33rd Annual Conference of the Cognitive Science Society* (pp. 1589-1594). Boston, MA: Cognitive Science Society.
- Taylor, J. L. M., Friedman, S. E., Forbus, K. D., Goldwater, M., & Gentner, D. (2011). Modeling structural priming in sentence production via analogical processes. *Proceedings of the 33rd Annual Conference of the Cognitive Science Society* (pp. 2916-2921). Boston, MA: Cognitive Science Society.

- Wolff, P., & Gentner, D. (2011). Structure-mapping in metaphor comprehension. *Cognitive Science*, 35, 1456–1448.
- Christie, S. & Gentner, D. (2010). Where hypotheses come from: Learning new relations by structural alignment. *Journal of Cognition and Development*, 11 (3). 356-373. (Note: This paper was selected for the Journal of Cognition and Development's Editor's Choice Award for 2010)
- Gentner, D. (2010). Bootstrapping the mind: Analogical processes and symbol systems. *Cognitive Science*, 34 (5). 752-775.
- Gentner, D. (2010). Psychology in Cognitive Science: 1978 to 2038. *Topics in Cognitive Science*, 2. 328-344.
- Gentner, D. & Christie, S. (2010). Mutual bootstrapping between language and analogical processing. *Language and Cognition*, 2(2). 261-283.
- Gentner, D. & Jee, B. (2010). De l'alchimie aux sciences modernes: Du bon usage de la pensée analogique. *Sciences Humaines*, 215, 40-43.
- Gentner, D., & Colhoun, J. (2010). Analogical processes in human thinking and learning. In B. Glatzeder, V. Goel, & A. von Müller (Vol. Eds.), *On Thinking: Vol. 2. Towards a Theory of Thinking*, pp 35—48. Berlin: Springer-Verlag.
- Graham, S., A., Namy, L. L., Gentner, D., & Meagher, K. (2010) The role of comparison in preschoolers' novel object categorization. *Journal of Experimental Child Psychology*, 107. 280-290.
- Jee, B. D., Uttal, D. H., Gentner, D., Manduca, C., Shipley, T., Sageman, B., Ormand, C. J., & Tikoff, B. (2010). Analogical thinking in geoscience education. *Journal of Geoscience Education*, 58 (1), 2-13.
- Smith, L.A. & Gentner, D. (2010). Structural constraints and real-world plausibility in analogical inference. In S. Ohlsson & R. Catrambone (Eds.), *Proceedings of the 32nd Annual Conference of the Cognitive Science Society* (pp. 712-717). Portland, OR: Cognitive Science Society.
- Smith, L.A. & Gentner, D. (2010). The use of qualitative principles to promote understanding of systems. In J. de Kleer & K. Forbus (Eds.) *Proceedings of the 24th International Workshop on Qualitative Reasoning*, pp. 72-76. Portland, OR.
- Colhoun, J., & Gentner, D. (2009). Inference processes in causal analogies. In B. Kokinov, K. Holyoak & D. Gentner (Eds.) *Proceedings of the Second International Conference on Analogy*, pp 82-96. NBU Press, Sofia, Bulgaria.
- Dehghani, M., Gentner, D., Forbus, K., Ekhtiari, H., & Sachdeva, S., (2009) Analogy and moral decision making. In B. Kokinov, K. Holyoak & D. Gentner (Eds.) *Proceedings of the Second International Conference on Analogy*, pp. 1-10. NBU Press, Sofia, Bulgaria.
- Dehghani, M., Sachdeva, S., Ekhtiari, H., Gentner, D., & Forbus, K. (2009). The role of cultural narratives in moral decision making. In N.A. Taatgen & H. van Rijn (Eds.), *Proceedings of the 31st Annual Conference of the Cognitive Science Society*, (pp. 1912-1917). Amsterdam, Netherlands: Cognitive Science Society.
- Gelman, S., Raman, L., & Gentner, D. (2009). Effects of language and similarity on comparison processing. *Language Learning and Development*, 5, 147-171.

- Gentner, D., & Boroditsky, L. (2009). Early acquisition of nouns and verbs: Evidence from Navajo. In V. Gathercole (Ed.) *Routes to Language: Studies in honor of Melissa Bowerman*, 5-36. Taylor & Francis, New York, NY.
- Gentner, D., Levine, S., Dhillon, S., & Poltermann, A. (2009). Using structural alignment to facilitate learning of spatial concepts in an informal setting. In B. Kokinov, K. Holyoak & D. Gentner (Eds.) *Proceedings of the Second International Conference on Analogy*, pp. 175-182. NBU Press, Sofia, Bulgaria.
- Gentner, D., & Bowerman, M. (2009). Why some spatial semantic categories are harder to learn than others: The Typological Prevalence hypothesis. In J. Guo, E. Lieven, S. Ervin-Tripp, N. Budwig, S. Özçaliskan, & K. Nakamura (eds.). *Crosslinguistic approaches to the psychology of language: Research in the tradition of Dan Isaac Slobin*. (pp. 465-480). NY, New York: Lawrence Erlbaum Associates.
- Gentner, D., Loewenstein, J., Thompson, L., & Forbus, K. (2009) Reviving inert knowledge: Analogical abstraction supports relational retrieval of past events. *Cognitive Science*, 3, 1343-1382.
- Gentner, D., Simms, N., & Flusberg, S. (2009). Relational language helps children reason analogically. In N.A. Taatgen & H. van Rijn (Eds.), *Proceedings of the 31st Annual Conference of the Cognitive Science Society*, pp. 1054-1059. Amsterdam, Netherlands: Cognitive Science Society.
- Oşcaliskan, S., Goldin-Meadow, S., Gentner, D. & Mylander, C. (2009). Does language about similarity play a role in fostering similarity comparison in children? *Cognition*, 112, 217-228.
- Jameson, J., & Gentner, D. (2009). Explanation and structure-mapping in theory-based categorization. In B. Kokinov, K. Holyoak & D. Gentner (Eds.) *Proceedings of the Second International Conference on Analogy*, pp. 222-228. NBU Press, Sofia, Bulgaria.
- Jee, B., Gentner, D., Forbus, K., Sageman, B., & Uttal, D. H. (2009). Drawing on experience: Use of sketching to evaluate knowledge of spatial scientific concepts. In N.A. Taatgen & H. van Rijn (Eds.), *Proceedings of the 31st Annual Conference of the Cognitive Science Society*, pp. 2499-2504. Cognitive Science Society.
- Lovett, A., Gentner, D., Forbus, K., & Sagi, E. (2009). Using analogical mapping to simulate time-course phenomena in perceptual similarity. *Cognitive Systems Research*, 10, 216-228.
- Lovett, A. , Sagi, E., Gentner, D., Forbus, K. (2009). Modeling perceptual similarity as analogy resolves the paradox of difference detection. In B. Kokinov, K. Holyoak & D. Gentner (Eds.) *Proceedings of the Second International Conference on Analogy*, pp. 320-329. NBU Press, Sofia, Bulgaria.
- Simms, N., & Gentner, D. (2009). Relational language and inhibitory control in the development of analogical ability. In B. Kokinov, K. Holyoak & D. Gentner (Eds.) *Proceedings of the Second International Conference on Analogy*, pp. 414-422. NBU Press, Sofia, Bulgaria.
- Colhoun, J., & Gentner, D. (2009). Inference processes in causal analogies. In B. Kokinov, K. Holyoak and D. Gentner (Eds.) *New Frontiers in Analogy Research: Proceedings of the Second International Conference on Analogy*. Sofia, Bulgaria.
- Colhoun, J., Gentner, D., & Loewenstein, J. (2008). Learning abstract principles through principle-case comparison. In B. C. Love, K. McRae, & V. M. Sloutsky (Eds.), *Proceedings of the 30th Annual Conference of the Cognitive Science Society* (pp. 1659-1664). Washington, D.C.: Cognitive Science Society.

- Jameson, J., & Gentner, D. (2008). Causal status and explanatory goodness in categorization. In B. C. Love, K. McRae, & V. M. Sloutsky (Eds.), *Proceedings of the 30th Annual Conference of the Cognitive Science Society* (pp. 291-296). Washington, D.C.: Cognitive Science Society.
- Simms, N., & Gentner, D. (2008). Spatial language and landmark use: Can 3-, 4-, and 5-year-olds find the middle? In B. C. Love, K. McRae, & V. M. Sloutsky (Eds.), *Proceedings of the 30th Annual Conference of the Cognitive Science Society* (pp. 191-196). Washington, D.C.: Cognitive Science Society.
- Gentner, D., & Asmuth, J. (2008). Can relationality be distinguished from abstractness in noun mutability? In B. C. Love, K. McRae, & V. M. Sloutsky (Eds.), *Proceedings of the 30th Annual Conference of the Cognitive Science Society* (pp. 863-868). Washington, D.C.: Cognitive Science Society.
- Gentner, D., & Bowdle, B. (2008) Metaphor as structure-mapping. In R. Gibbs (Ed.) *The Cambridge Handbook of Metaphor and Thought* (pp. 109-128). New York, NY: Cambridge University Press.
- Gentner, D. & Christie, S. (2008). Relational language supports relational cognition in humans and apes. *Behavioral and Brain Sciences*, 31, 136-137.
- Uttal, D. H., Gentner, G., Liu, L. L., & Lewis, A. R. (2008). Developmental changes in children's understanding of the similarity between photographs and their referents. *Developmental Science*, 11, 156-170.
- Gentner, D. & Christie, S. (2007). Learning new relations via structural alignment. In Vosniadou, S. & Kayser, D. (Eds.). *Proceedings of the Second European Cognitive Science Conference*, pp. 401-406. New York, NY: Lawrence Erlbaum Associates.
- Day, S. B. & Gentner, D. (2007) Hidden structure: Indirect measurement of relational representation. In D. S. McNamara & J. G. Trafton (Eds.), *Proceedings of the Twenty-ninth Annual Meeting of the Cognitive Science Society* (pp. 64-70). Nashville, TN: Cognitive Science Society.
- Day, S. B., & Gentner, D. (2007). Nonintentional analogical inference in text comprehension. *Memory & Cognition*, 35, 39-49.
- Feist, M. I., & Gentner, D. (2007). Spatial language influences memory for spatial scenes. *Memory and Cognition*, 35, 283-296.
- Gentner, D. (2007). Spatial cognition in apes and humans. *Trends in Cognitive Science*, 11, 192-194.
- Gentner, D., Loewenstein, J., & Hung, B. (2007). Comparison facilitates children's learning of names for parts. *Journal of Cognition and Development*, 8, 285-307.
- Jameson, J. & Gentner, D. (2007) Conceptual centrality and the role of comparison. In D. S. McNamara & J. G. Trafton (Eds.), *Proceedings of the Twenty-ninth Annual Meeting of the Cognitive Science Society* (pp. 64-70). Nashville, TN: Cognitive Science Society.
- Markman, A. B., Taylor, E. & Gentner, D. (2007). Auditory presentation leads to better analogical retrieval than written presentation. *Psychonomic Bulletin & Review*, 14, 1101-1106.
- Mussweiler, T. & Gentner, D. (2007). On apples and oranges: Structural alignment in the selection of social comparison standards. *Journal of Cognitive Science*, 8, 1-38.

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- Cifuentes Férez, P., & Gentner, D. (2006) Naming motion events in Spanish and English. *Cognitive Linguistics*, 17, 443-452.
- Fausey, C., M., Gentner, D., Asmuth, J., & Yoshida, H. (2006) The verb mutability effect: Noun and verb semantics in English and Japanese. In R. Sun & N. Miyake (Eds.) *Proceedings of the Twenty-eighth Annual Meeting of the Cognitive Science Society*. Vancouver, Canada: Cognitive Science Society.
- Gentner, D. (2006). Why verbs are hard to learn. In K. Hirsh-Pasek, & R. Golinkoff, (Eds.) *Action meets word: How children learn verbs* (pp. 544-564). Oxford University Press.
- Gentner, D. & Christie, S. (2006). Using numbers to structure space. In R. Sun & N. Miyake (Eds.) *Proceedings of the Twenty-eighth Annual Meeting of the Cognitive Science Society*, pp. 267-272. Mahwah, NJ: Lawrence Erlbaum Associates. Vancouver, Canada: Cognitive Science Society.
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- Gentner, D., & Markman, A. B. (2006). Defining structural similarity. *Journal of Cognitive Science*, 6, 1-20
- Gentner, D. & Namy, L. L. (2006). Analogical processes in language learning. *Current Directions in Psychological Science*, 15, 297-301.
- Gentner, D., & Sagi, E. (2006). Does “different” imply a difference? A comparison of two tasks. In R. Sun & N. Miyake (Eds.) *Proceedings of the Twenty-Eighth Annual Conference of the Cognitive Science Society*, pp. 261-266. Vancouver, Canada: Cognitive Science Society.
- Lovett, A., Gentner, D. & Forbus, K. (2006). Simulating time-course phenomena in perceptual similarity via incremental encoding. In R. Sun & N. Miyake (Eds.) *Proceedings of the Twenty-Eighth Annual Meeting of the Cognitive Science Society*, pp.1723-1728. Vancouver, Canada: Cognitive Science Society.
- Anggoro, F., Gentner, D., & Klibanoff, R. (2005). How to go from nest to home: Children’s learning of relational categories. In B. G. Bara, L. Barsalou, and M. Bucciarelli (Eds.), *Proceedings of the Twenty-seventh Annual Meeting of the Cognitive Science Society*, 133-138. Mahwah, NJ: Lawrence Erlbaum Associates.
- Asmuth, J. & Gentner, D. (2005) Context sensitivity of relational nouns. In B. G. Bara, L. Barsalou, and M. Bucciarelli (Eds.), *Proceedings of the Twenty-seventh Annual Meeting of the Cognitive Science Society*, 163-168. Mahwah, NJ: Lawrence Erlbaum Associates.
- Bowdle, B., & Gentner, D. (2005). The career of metaphor. *Psychological Review*, 112, 193-216.
- Gentner, D. (2005). The development of relational category knowledge. In L. Gershkoff-Stowe & D. H. Rakison, (Eds.), *Building object categories in developmental time*. (pp. 245-275). Hillsdale, NJ: Erlbaum.
- Gentner, D., & Kurtz, K. (2005). Relational categories. In W. K. Ahn, R. L. Goldstone, B. C. Love, A. B. Markman & P. W. Wolff (Eds.), *Categorization inside and outside the lab*. (pp. 151-175). Washington, DC: APA.

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- Loewenstein, J., & Gentner, D. (2005). Relational language and the development of relational mapping. *Cognitive Psychology*, 50, 315-353.
- Markman, A. B., & Gentner, D. (2005). Nonintentional similarity processing. In R. Hassin, J.A. Bargh and J.S. Uleman (Eds.), *The new unconscious* (pp. 107-137). New York: Oxford University Press.
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Papers in Preparation

- Yeh, D. & Gentner, D. (in preparation). Reasoning counterfactually in Chinese. Unpublished ms.
- Anggoro, F., & Gentner, D. (in preparation). Cross-linguistic differences in kinship categories influence conceptual judgments and memory.
- Uttal, D. H., & Gentner, D. (in preparation). Maps are like analogies: Analogical processing and the development of children's understanding of maps and models.

Presentations (Last three years)

- Gentner, D. (2015, January). Structural alignment in language learning. Presentation for the SILC Workshop, University of California, San Diego.
- Gentner, D. (2014, November). Analogy: The key to higher-order cognition. Invited talk, University of California, San Diego.
- Gentner, D. (2014, September). Analogy: The key to higher-order cognition. Invited talk, Max Planck Institute of Psycholinguistics. Nijmegen, the Netherlands.
- Gentner, D. (2014, September). Public Opening Keynote Lecture: Comparison and relational language in the development of relational categories. 10th International Symposium of Cognition, Logic and Communication. Riga, Latvia.
- Gentner, D. (2014, July). Plenary Speaker. Analogy: The key to higher-order cognition. Keynote talk at the 36th Annual Meeting of the Cognitive Science Society. Quebec, Canada

- Gentner, D. (2014, May). Invited Speaker. How people learn: A Cognitive Science perspective. Michigan State University, Lansing.
- Gentner, D. (2014, February). Analogy supports learning a basic engineering principle in museum settings. The 2014 Annual Meeting of the AAAS.
- Gentner, D. (2014, January). Relational language in the development of spatial cognition. Workshop on Spatial Concepts And How Language Affects Them, UCSD, California.
- Gentner, D. (2013, November). Analogical Processes in Learning and Reasoning. Analogy, Copy, and Representation Conference, Bielefeld University.
- Gentner, D. (2013, November). Analogical comparison in learning and thinking. The Comparison of Actions, Learning, and Recovery Conference at the Centro Studi Riabilitazione Neurocognitiva, Vicenza, Italy
- Chang, Y., Ferry, A., Hespos, S. J., & Gentner, D. (2013, October). The seed of analogical reasoning. Cognitive Development Society VIII Biennial Meeting.
- Gentner, D. (2013, September). Educational challenges in a global world. 10th Sino-German Workshop on Cognitive Neuroscience of the Parmenides Foundation. Hamburg, Germany.
- Gentner, D. (2013, July). The analogical mind. Invited Talk, University of Bremen. Germany.
- Gentner, D. & Anggoro, F. (2013, April). Comparison and relational language support the acquisition of relational concepts. Biennial Meeting of the Society of Research in Child Development, Seattle, WA.
- Simms, N. & Gentner, D. (2013, April). Asymmetries in allocation of attention in analogical reasoning. Biennial Meeting of the Society of Research in Child Development, Seattle, WA.
- Applebaum, L., Spaepen, E., Gentner, D., Goldin-Meadow, S., & Levine, S. C. (2013, April). Benefits of structural alignment in a museum classroom. Biennial Meeting of the Society of Research in Child Development, Seattle, WA.
- Gentner, D. (2013, January). Structural alignment in implicit cross-domain analogical learning. Workshop on Spatial Underpinnings to Concept Formation in Infancy, UCSD, California.
- Gentner, D. (2012, November). Relational language influences relational thought. Talk at the 53rd Annual Meeting of the Psychonomic Society.
- Smith, L., & Gentner, D. (2012, November). Analogical reasoning: How constrained is it really? Talk at the 53rd Annual Meeting of the Psychonomic Society.
- Gentner, D. (2012, September). Thinking with, in, and about space. Symposium at the 5th International Conference on Spatial Cognition. Rome, Italy.
- Gentner, D. (2012, September). Why we're so smart –Analogy and language in human learning. Invited talk, Inaugural Meeting of the Cognitive Science Program at Tufts. Massachusetts.

- Goldwater, M., Friedman, S., Gentner, D., & Forbus, K. (2012, August). New frontiers in computational models of grammatical development. Symposium at the 34th Annual Meeting of the Cognitive Science Society. Sapporo, Japan.
- Gentner, D. (2012, August). Analogical mind. Invited talk at the Max Planck Institute for Evolutionary Anthropology. Leipzig, Germany.
- Gentner, D. (2012, August). The analogical mind: The pervasive role of analogical processes in human cognition. Invited talk at the Sound Symbolism Workshop. Tokyo, Japan.
- Gentner, D. (2012, August). Analogy in learning and reasoning with implications for education. Invited talk at ABLE 2012 Summer Workshop. Tokyo, Japan.
- Gentner, D. (2012, August). Using spatial analogy to facilitate graph learning. Symposium at Spatial Cognition 2012. Bavaria, Germany.
- Gentner, D. & Christie, S. (2012, August). Comparison in learning and development. Talk at the 34th Annual Meeting of the Cognitive Science Society. Sapporo, Japan.
- Gentner, D. (2012, July). Interactions between language relational reasoning. Invited symposium at the 7th International Conference on Children's Thinking. London, England.
- Gentner, D. (2012, June). Cognitive approaches for the semantic web. Keynote address at Schloss Dagstuhl, Germany.
- Gentner, D. (2012, June). The Effects of language on analogical processing. Invited talk at the Max Planck Institute for Psycholinguistics. Nijmegen, The Netherlands.
- Gentner, D. (2012, May). Language and Analogy in Cognitive Development. Invited talk at the Max Planck Institute for Psycholinguistics. Nijmegen, The Netherlands.
- Gentner, D. (2012, May). Analogy in Human Cognition. Invited talk, Hanse-Wissenschaftskolleg. Bielefeld, Germany.
- Gentner, D. (2012, March). Analogical mind. Invited talk at The 40th Symposium for Research Award Winners, Alexander von Humboldt Foundation. Bamberg, Germany.
- Gentner, D. (2012, March). The analogical mind: The pervasive role of analogical processes in human cognition. Keynote speech, 40th Symposium for Research Award Winners, Alexander von Humboldt Foundation. Bamberg, Germany.