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Education

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

Positions

2007-present	Alice Gabrielle Twight Professor of Psychology, Co-Director of Spatial Intelligence and Learning Center	
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

2016	David E. Rumelhart Prize for Contributions to the Theoretical Foundations of Human Cognition
2016	American Psychological Association Award for Distinguished Scientific Contributions
2012	Alexander von Humboldt Foundation Research Award
2010	Journal of Cognition and Development's Editor's Choice Award
2006	Fellow, Rockefeller Institute, Bellagio, Italy
2010-	Fellow of the American Academy of Arts and Sciences
2010-	Charter Fellow, Midwestern Psychology Association
2004-	Fellow of the American Academy for the Advancement of Science
2003-	Inaugural Fellow, Cognitive Science Society
1999-2000	Fellow, Center for Advanced Study in the Behavioral Sciences, Stanford, CA.
1999-	Society of Experimental Psychologists
1995-	Fellow of the American Psychology Association
1995-	Fellow of the American Psychological Society
1993-1994	President, Cognitive Science Society

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

1991-2015 Co-Founder of Cognitive Science Program at Northwestern University
 2015- Cognitive Science Program Committee, Northwestern University
 2015- Governing Board of the Cognitive Science Society
 2013- Glushko Dissertation Prize Committee
 2014- AAAS Electoral Committee
 2014- American Academy of Arts & Sciences Ad Hoc Cognitive Science Committee
 2014-2016 Cognitive Science Fellows Committee
 2006-2012 Advisory Board for the Max Planck Institute for Psycholinguistics
 1999-2005 Governing Board of the Cognitive Science Society
 2001-2006 Associate Editor, *Cognitive Science*

Editorial Boards of *Cognitive Science*, *Language Learning and Development*, *Journal of the Learning Sciences*, *Journal of Experimental & Theoretical Artificial Intelligence*, *Open Mind* and *Metaphor and Symbol*; 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, 2011-2017)

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

ONR: An analogical approach to autonomy and social inference (with Ken Forbus 2013-2018), \$2,949,620.

Research Interests

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

Teaching

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

Publications and Papers

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

Edwards, B. J., Williams, J. J., Lombrozo, T., & Gentner, D. (under review). Explanation recruits comparison: Insights from a category-learning task.

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

Hoyos, C., & Gentner, D. (under review). Generating explanations via analogical comparison.

Asmuth, J. & Gentner, D. (in press). Relational categories are more mutable than entity categories. To appear in the *Quarterly Journal of Experimental Psychology*.

Forbus, K. D., Ferguson, R. W., Lovett, A., & Gentner, D. (in press). Extending SME to handle large-scale cognitive modeling. To appear in *Cognitive Science*.

Gentner, D. (in press). Language as cognitive toolkit: How language supports relational thought. To appear in *American Psychologist*.

Gentner, D. & Asmuth, J. (in press). Metaphoric extension, relational categories, and abstraction. To appear in *Language, Cognition and Neuroscience*.

Gentner, D. & Hoyos, C. (in press). Analogy, abstraction and overhypotheses.

Gentner, D. & Maravilla, F. (in press). Analogical reasoning. To appear in L. J. Ball & V. A. Thompson (eds.) *International handbook of thinking & reasoning*. NY, NY: Psychology Press.

Yuan, L., Uttal, D., & Gentner, D. (in press). Analogical processes in children's understanding of spatial representations. To appear in *Developmental Psychology*.

Cooperrider, K., Gentner, D., & Goldin-Meadow, S. (2016). Spatial analogies pervade complex relational reasoning: Evidence from spontaneous gestures. *Cognitive Research: Principles and Implications*. DOI: 10.1186/s41235-016-0024-5

Cooperrider, K., Gentner, D., & Goldin-Meadow, S. (2016). Gesture reveals spatial analogies during complex relational reasoning. D. Grodner, D. Mirman, A. Papafragou, J. Trueswell, J. Novick, S. Arunachalam, S. Christie, & C. Norris (Eds.), *Proceedings of the 38th Annual Conference of the Cognitive Science Society*, pp. 692-697. Austin, TX: Cognitive Science Society.

Christie, S., Gentner, D., Call, J., & Haun, D. B. M. (2016). Sensitivity to relational similarity and object similarity in apes and children. *Current Biology*, 26(4), 531-535.

Hoyos, C., Shao, R., & Gentner, D. (2016). The paradox of relational development: Could language learning be (temporarily) harmful? D. Grodner, D. Mirman, A. Papafragou, J. Trueswell, J. Novick,

- S. Arunachalam, S. Christie, & C. Norris (Eds.), *Proceedings of the 38th Annual Conference of the Cognitive Science Society*, pp 2507-2512. Austin, TX: Cognitive Science Society.
- Gentner, D., Levine, S. C., Dhillon, S., Ping, R., Bradley, C., Isaia, A., & Honke, G. (2016). Rapid learning in a children's museum via analogical comparison. *Cognitive Science*, 40, 224-240.
- Shao, R., & Gentner, D. (2016). Structural alignment in incidental word learning. D. Grodner, D. Mirman, A. Papafragou, J. Trueswell, J. Novick, S. Arunachalam, S. Christie, & C. Norris (Eds.), *Proceedings of the 38th Annual Conference of the Cognitive Science Society*, 1038-1043. Austin, TX: Cognitive Science Society.
- Ferry, A. L., Hespos, S. J., & Gentner, D. (2015). Prelinguistic relational concepts: Investigating analogical processing in infants. *Child Development*, 86, 1386-1405.
- 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.
- Goldwater, M., Pajak, B., Gentner, D., & Shao, R. (2015). Analogical processes in language learning. In D. C. Noelle, R. Dale, A. S. Warlaumont, J. Yoshimi, T. Matlock, C. D. Jennings, & P. P. Maglio (Eds.), *Proceedings of the 37th Annual Conference of the Cognitive Science Society* (pp. 27 - 28). Austin, TX: Cognitive Science Society.
- 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.
- Hoyos, C., Horton, W. S., & Gentner, D. (2015). Analogical comparison aids false belief understanding in preschoolers. In D. C. Noelle, R. Dale, A. S. Warlaumont, J. Yoshimi, T. Matlock, C. D. Jennings, & P. P. Maglio (Eds.), *Proceedings of the 37th Annual Conference of the Cognitive Science Society* (pp. 1 – 6). Austin, TX: Cognitive Science Society.
- Jamrozik, A. & Gentner, D. (2015). Well-hidden regularities: Abstract uses of *in* and *on* retain an aspect of their spatial meaning. *Cognitive Science*, 39, 1881-1911.
- 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.
- Smith, L., Ping, R. M., Matlen, B. J., Goldwater, M. B., Gentner, D., & Levine, S. (2014). Mechanisms of spatial learning: Teaching children geometric categories. In C. Freksa, B. Nebel, M. Hegarty, & T. Barkowsky (Eds.) *Spatial Cognition IX* (pp. 325-337). Springer International Publishing. (selected Best Student Paper for Spatial Cognition 2014).
- 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.
- Özçalışkan, S., Gentner, D., & Goldin-Meadow, S. (2013). Do iconic gestures pave the way for children's early verbs? *Applied Psycholinguistics*, 35, 1143-1162.
- 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. Lührman (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. In L. Carlson, C. Hoelscher & T. F. Shipley (Eds.), *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.
- Oşçaliskan, 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.
- Belloro, V., J. Bohnemeyer, D. Gentner, & K. Braun. (2008). Thinking-for-speaking: evidencia a partir de la codificación de disposiciones espaciales en español y yucateco [Thinking for speaking: Evidence from the encoding of spatial dispositions in Spanish and Yucatec]. *Memoria del IX Encuentro Internacional De Lingüística En El Noroeste*. Vol. 2. Hermosillo: Editorial UniSon. 175-190.
- 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.
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- 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.
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Papers in Preparation

- Anggoro, F., & Gentner, D. (in preparation). Cross-linguistic differences in kinship categories influence conceptual judgments and memory.
- Kurtz, K. J., & Gentner, D. (under review). Kinds of kinds: An investigation of cross-cutting higher level categories.
- Sheehan, K. J., Gentner, D. & Uttal, D. H. (under review). Young children rely on overall similarity to understand a novel symbol.
- Simms, N., & Gentner, G. (in prep). Finding the middle: Spatial language and spatial reasoning.
- Uttal, D. H., & Gentner, D. (in preparation). Maps are like analogies: Analogical processing and the development of children's understanding of maps and models.
- Yeh, D. & Gentner, D. (in preparation). Reasoning counterfactually in Chinese. Unpublished ms.

Presentations (Last three years)

- Gentner, D. (2016, August). Why we're so smart: Analogical processing and relational representation. Rumelhart Prize Talk, 38th Annual Conference of the Cognitive Science Society. Philadelphia.
- Gentner, D. (2016, August). Analogical processes in human learning. Distinguished Scientific Contribution Award Address. 124th Annual APA Convention. Denver.
- Gentner, D. (2016, July). Metaphor, analogy, relational concepts and abstraction. Plenary talk, 6th UK Cognitive Linguistics Conference. Bangor, Wales.
- Gentner, D. (2016, February). Principles of spatial learning via comparison. Network for the Science of Learning Awardees' Meeting. National Science Foundation invited conference. Washington, D. C.
- Gentner, D. (2016, January). Comparing children and great apes in an analogical reasoning task. Presentation for Workshop on Spatial Thinking, San Diego.
- Gentner, D. (2015, December). Invited talk. Princeton University, New Jersey.
- Gentner, D., Goldwater, M., Levine, S. C., Ping, R., Isiah, A., Honke, G., & Bradley, C. (2015, September). Spatial language and spatial comparison combine to support children's learning. 6th International Conference on Spatial Cognition. Rome, Italy.
- Gentner, D. (2015, July). The pervasiveness of analogical processing in cognition. Invited talk, Relativity in Social Cognition, University of Cologne. Köln, Germany.

- Gentner, D. (2015, January). Structural alignment in language learning. Presentation for Workshop on Spatial Thinking, Workshop, San Diego.
- Gentner, D. (2014, November). Relational language influences the development of relational cognition. Invited Talk, 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.