

Darren Gergle

Curriculum Vitae

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Appointments

<i>Professor, Northwestern University</i> Department of Communication Studies Department of Electrical Engineering and Computer Science by courtesy	<i>2015-present</i>
<i>Associate Professor, Northwestern University</i> Department of Communication Studies Department of Electrical Engineering and Computer Science by courtesy	<i>2011-2015</i>
<i>Assistant Professor, Northwestern University</i> Department of Communication Studies Department of Electrical Engineering and Computer Science by courtesy	<i>2006-2011</i>
<i>Visiting Faculty, School of the Art Institute of Chicago (SAIC)</i>	<i>Aug-Dec 2014</i>
<i>Faculty Directorships and Affiliations</i> Director, Technology and Social Behavior (TSB) joint Ph.D. program	<i>2010-present</i>
Co-Chair, Segal Design Institute, Faculty Research Council	<i>2012-present</i>
Director, Segal Design Institute, Design Cluster Program	<i>2012-2015</i>
Faculty Associate, Cognitive Science Program	<i>2008-present</i>
Fellow, Communications Residential College (CRC)	<i>2008-present</i>

Education

<i>Ph.D., Human-Computer Interaction</i> Human-Computer Interaction Institute, School of Computer Science Carnegie Mellon University	<i>2006</i>
<i>M.S., Information (Human-Computer Interaction)</i> School of Information University of Michigan (Ann Arbor)	<i>2001</i>
<i>B.A., Psychology</i> <i>B.F.A., Printmaking and Sculpture</i> University of Michigan (Ann Arbor)	<i>1995</i>

Publications

Books

Brinck, T., Gergle, D., & Wood, S. (2001). *Usability for the Web: Designing Web Sites that Work*, (481 pp.), San Francisco, CA: Morgan Kaufmann Publishers.

Journal Articles

Brewer, R.N., Cornejo, R., Schwaba, T., Gergle, D., & Piper, A.M. (2016). Exploring Traditional Phones as an E-Mail Interface for Older Adults. *ACM Transactions on Accessible Computing (TACCESS)*, 8(2).

Kalman, Y. & Gergle, D. (2014). Letter Repetitions in Computer-Mediated Communication: A Unique Link Between Spoken and Online Language. *Computers in Human Behavior*, 34(1), 187-193.

Keegan, B., Gergle D., & Contractor, N. (2013). Hot Off the Wiki: Structures and Dynamics of Wikipedia's Coverage of Breaking News Events. *American Behavioral Scientist*, 57(5), 595-622.

Kalman, Y., Scissors, L., Gill, A., & Gergle, D. (2013). Online Chronemics Convey Social Information. *Computers in Human Behavior*, 29(3), 1260-1269.

Gergle, D., Kraut, R.E., & Fussell, S.R. (2013). Using Visual Information for Grounding and Awareness in Collaborative Tasks. *Human-Computer Interaction*, 28(1), 1-39.

Burns, M.N., Begale, M., Duffecy, J., Gergle, D., Karr, C.J., Giangrande, E., & Mohr, D.C. (2011). Harnessing Context Sensing to Develop a Mobile Intervention for Depression. *Journal of Medical Internet Research*, 13(3):e55.

Tan, D., Gergle, D., Mandryk, R., Inkpen, K., Kellar, M., Hawkey, K., & Czerwinski, M. (2008). Using Job-Shop Scheduling Tasks for Evaluating Collocated Collaboration. *Journal of Personal and Ubiquitous Computing*, 12(3), 255-267.

Avrahami, D., Gergle, D., Hudson, S., & Kiesler, S. (2007). Improving the Match Between Callers and Receivers: A Study on the Effect of Contextual Information on Cell Phone Interruptions. *Behaviour & Information Technology*, 26(3), 247-259.

Tan, D., Gergle, D., Scupelli, P., & Pausch, R. (2006). Physically Large Displays Improve Performance on Spatial Tasks. *ACM Transactions on Computer-Human Interaction (ToCHI)*, 13(1), 71-99.

Gergle, D., Kraut, R.E., & Fussell, S.R. (2004). Language Efficiency and Visual Technology: Minimizing Collaborative Effort with Visual Information. *Journal of Language and Social Psychology*, 23(4), 491-517.

Refereed Papers in Archival Conference Proceedings

Sharma, K., D'Angelo, S., Gergle, D., & Dillenbourg, P. (2016). Visual Augmentation of Deictic Gestures in MOOC Videos. To appear in *Proceedings of the International Conference of the Learning Sciences (ICLS 2016)*.

D'Angelo, S., & Gergle, D. (2016). Gazed and Confused: Understanding and Designing Shared Gaze for Remote Collaboration. To appear in *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI 2016)*. New York: ACM Press.

Liebman, N., & Gergle, D. (2016). Capturing Turn-by-turn Lexical Similarity in Text-based Communication. To appear in *Proceedings of the ACM Conference on Computer Supported Cooperative Work (CSCW 2016)*. New York: ACM Press.

Liebman, N., & Gergle, D. (2016). It's (Not) Simply a Matter of Time: The Relationship Between CMC Cues and Interpersonal Affinity. To appear in *Proceedings of the ACM Conference on Computer Supported Cooperative Work (CSCW 2016)*. New York: ACM Press.

*** Best Paper Award, Honorable Mention (top 5% of papers)**

Scissors, L., & Gergle, D. (2016). On the Bias: Self-esteem Biases Across Communication Channels During Romantic Couple Conflict. To appear in *Proceedings of the ACM Conference on Computer Supported Cooperative Work (CSCW 2016)*. New York: ACM Press.

Birnholtz, J., Gergle, D., Liebman, N., & Sinclair, S. (2015). Feeling Aware: Investigating the Use of a Mobile Variable-friction Tactile Display for Awareness Information. *Proceedings of the 17th International Conference on Human-Computer Interaction with Mobile Devices and Services (MobileHCI 2015)*, pp. 16-25. New York: ACM Press.

Hui, J., Gerber, E., & Gergle, D. (2014). Understanding and leveraging social networks for crowdfunding: Implications for support tools. *Proceedings of the ACM Conference on Designing Interactive Systems (DIS 2014)*, pp. 677-680. New York: ACM Press.

Scissors, L.E., Roloff, M., & Gergle, D. (2014). Room for Interpretation: The Role of Self-Esteem and CMC in Romantic Couple Conflict. *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI 2014)*, pp. 3953-3962. New York: ACM Press.

*** Best Paper Award, Honorable Mention (top 5% of papers)**

Oeldorf-Hirsch, A., Hecht, B., Ringel Morris, M., Teevan, J., & Gergle, D. (2014). To Search or to Ask: The Routing of Information Needs Between Traditional Search Engines and Social Networks. *Proceedings of the ACM Conference on Computer Supported Cooperative Work (CSCW 2014)*, pp. 16-27. New York: ACM Press.

Scissors, L.E., & Gergle, D. (2013). Back and Forth, Back and Forth: Channel Switching in Romantic Couple Conflict. *Proceedings of the ACM Conference on Computer Supported Cooperative Work (CSCW 2013)*, pp. 237-247. New York: ACM Press.

Bao, P., Hecht, B., Carton, S., Quaderi, M., Horn, M., & Gergle, D. (2012). Omnipedia: Bridging the Wikipedia Language Gap. *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI 2012)*, pp. 1075-1084. New York: ACM Press.

Hecht, B., Carton, S., Quaderi, M., Schöning, J., Raubal, M., Gergle, D., & Downey, D. (2012). Explanatory Semantic Relatedness and Explicit Spatialization for Exploratory Search. *Proceedings of ACM Special Interest Group on Information Retrieval (SIGIR 2012)*, pp. 415-424. New York: ACM Press.

Kalman, Y., Geraghty, K., Thompson, C.K., & Gergle, D. (2012). Detecting Linguistic HCI Markers in an Online Aphasia Support Group. *Proceedings of the 14th International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS 2012)*, pp. 65-70. New York: ACM Press.

Keegan, B., Gergle, D., & Contractor, N. (2012). Do Editors or Articles Drive Collaboration? Multilevel Statistical Network Analysis of Wikipedia Coauthorship. *Proceedings of the ACM Conference on Computer Supported Cooperative Work (CSCW 2012)*, pp. 427-436. New York: ACM Press.

Keegan, B., Gergle, D., & Contractor, N. (2012). Staying in the Loop: Structure and Dynamics of Wikipedia's Breaking News Collaborations. *Proceedings of the 8th International Symposium on Wikis and Open Collaboration (WikiSym 2012)*. New York: ACM Press.

Pardo, B., Little, D., & Gergle, D. (2012). Building a Personalized Audio Equalizer Interface with Transfer Learning and Active Learning. *Proceedings of the 2nd International ACM Workshop on Music Information Retrieval with User-Centered and Multimodal Strategies (MIRUM 2012)*, pp. 13-18. New York: ACM Press.

Yatani, K., Gergle, D., & Truong, K.N. (2012). Investigating Effects of Visual and Tactile Feedback on Spatial Coordination in Collaborative Handheld Systems. *Proceedings of the ACM Conference on Computer Supported Cooperative Work (CSCW 2012)*, pp. 661-670. New York: ACM Press.

Gergle, D., & Clark, A. (2011). See What I'm Saying? Using Dyadic Mobile Eye Tracking to Study Collaborative Reference. *Proceedings of the ACM Conference on Computer Supported Cooperative Work (CSCW 2011)*, pp. 435-444. New York: ACM Press.

*** Best Paper Award, Honorable Mention (top 5% of papers)**

Keegan, B., Gergle, D., & Contractor, N. (2011). Hot off the Wiki: Dynamics, Practices, and Structures in Wikipedia's Coverage of the Tohoku Catastrophes. *Proceedings of the 7th International Symposium on Wikis and Open Collaboration (WikiSym 2011)*, pp. 105-113. New York: ACM Press.

Santelli, J-T., Millen, D.R., & Gergle, D. (2011). Organizational Acculturation and Social Networking. *Proceedings of the ACM Conference on Computer Supported Cooperative Work (CSCW 2011)*, pp. 313-316. New York: ACM Press.

Wobbrock, J.O., Findlater, L., Gergle, D., & Higgins, J.J. (2011). The Aligned Rank Transform for Nonparametric Analysis of Multiple Factors Using Only ANOVA Procedures. *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI 2011)*, pp. 143-146. New York: ACM Press.

*** Best Short Paper Award, Honorable Mention (top 5% of papers)**

Bao, P., Gerber, L., Gergle, D., & Hoffman, D. (2010). Momentum: Getting and Staying on Topic During a Brainstorm. *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI 2010)*, pp. 1233-1236. New York: ACM Press.

Hecht, B., & Gergle, D. (2010). The Tower of Babel Meets Web 2.0: User-Generated Content and its Applications in a Multilingual Context. *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI 2010)*, pp. 291-300. New York: ACM Press.

*** Best Paper Award (top 1% of papers)**

Hecht, B., & Gergle, D. (2010). On the "Localness" of User-Generated Content. *Proceedings of the ACM Conference on Computer-Supported Cooperative Work (CSCW 2010)*, pp. 229-232. New York: ACM Press.

Kalman, Y., & Gergle, D. (2010). CMC Cues Enrich Lean Online Communication: The Case of Letter and Punctuation Mark Repetitions. *Association for Information Systems (AIS 2010) Proceedings of the 5th Mediterranean Conference on Information Systems*, (15 pp.).

*** Best Paper Award**

Kalman, Y., Scissors, L., & Gergle, D. (2010). Chronemic Aspects of Chat and Their Relationship to Trust in a Virtual Team. *Association for Information Systems (AIS 2010) Proceedings of the 5th Mediterranean Conference on Information Systems*, (9 pp.).

Keegan, B., & Gergle, D. (2010). Egalitarians at the Gate: One-Sided Gatekeeping Practices in Participatory Social Media. *Proceedings of the ACM Conference on Computer-Supported Cooperative Work (CSCW 2010)*, pp. 131-134. New York: ACM Press.

*** Best Short Paper Award, Honorable Mention (top 5% of papers)**

Bao, P., & Gergle, D. (2009). What's "This" You Say? The Use of Local References on Distant Displays. *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI 2009)*, pp. 1029-1032. New York: ACM Press.

Hecht, B., & Gergle, D. (2009). Measuring Self-Focus Bias in Community-Maintained Knowledge Repositories. *4th International Conference on Communities and Technologies (C&T 2009)*, pp. 11-20. New York: ACM Press.

Scissors, L.E., Gill, A.J., Geraghty, K., & Gergle, D. (2009). Like You, Like Me: Linguistic Similarity and Trust in Text-Based CMC. *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI 2009)*, pp. 527-536. New York: ACM Press.

Gill, A.J., French, R.M., Gergle, D., & Oberlander, J. (2008). The Language of Emotion in Short Blog Texts. *Proceedings of the ACM Conference on Computer Supported Cooperative Work (CSCW 2008)*, pp. 299-302. New York: ACM Press.

Scissors, L.E., Gill, A.J., & Gergle, D. (2008). Linguistic Mimicry and Trust in Text-Based CMC. *Proceedings of the ACM Conference on Computer Supported Cooperative Work (CSCW 2008)*, pp. 277-280. New York: ACM Press.

*** Best Short Paper Award, Honorable Mention (top 5% of papers)**

Gill, A.J., Gergle, D., French, R.M., & Oberlander, J. (2008). Emotion Rating from Short Blog Texts. *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI 2008)*, pp. 1121-1124. New York: ACM Press.

Thompson, W., & Gergle, D. (2008). Modeling Situational Conversational Agents as Partially Observable Markov Decision Processes. *Proceedings of the International Conference on Intelligent User Interfaces (IUI 2008)*, pp. 401-404. New York: ACM Press.

Balan, R.K., Gergle, D., Satyanarayanan, M., & Herbsleb, J. (2007). Simplifying Cyber Foraging for Mobile Devices. *Proceedings of the 5th International Conference on Mobile Systems, Applications, and Services (MobiSys 2007)*, pp. 272-285. New York: ACM Press.

Gergle, D., Rosé, C.P., & Kraut, R.E. (2007). Modeling the Impact of Shared Visual Information on Collaborative Reference. *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI 2007)*, pp. 1543-1552. New York: ACM Press.

*** Best Paper Award, Honorable Mention (top 5% of papers)**

Gergle, D. (2006). What's There to Talk About? A Multi-Modal Model of Referring Behavior in the Presence of Shared Visual Information. *Proceedings of the European Chapter of the Association for Computational Linguistics (EACL 2006), Conference Companion*, pp. 7-14. New Brunswick, NJ: Association for Computational Linguistics.

Gergle, D., Kraut, R.E., & Fussell, S.R. (2006). The Impact of Delayed Visual Feedback on Collaborative Performance. *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI 2006)*, pp. 1303-1312. New York: ACM Press.

*** Best Paper Award, Honorable Mention (top 5% of papers)**

Gergle, D., Kraut, R.E., & Fussell, S.R. (2004). Action as Language in a Shared Visual Space. *Proceedings of the ACM Conference on Computer Supported Cooperative Work (CSCW 2004)*, pp. 487-496. New York: ACM Press.

Gergle, D., Millen, D.R., Kraut, R.E., & Fussell, S.R. (2004). Persistence Matters: Making the Most of Chat in Tightly-Coupled Work. *Proceedings of the ACM Conference on Human Factors in Computer Systems (CHI 2004)*, pp. 431-438. New York: ACM Press.

Tan, D., Gergle, D., Scupelli, P., & Pausch, R. (2004). Physically Large Displays Improve Path Integration in 3D Virtual Navigation Tasks. *Proceedings of the ACM Conference on Human Factors in Computer Systems (CHI 2004)*, pp. 439-446. New York: ACM Press.

Tan, D., Gergle, D., Scupelli, P., & Pausch, R. (2003). With Similar Visual Angles, Larger Displays Improve Spatial Performance. *Proceedings of the ACM Conference on Human Factors in Computer Systems (CHI 2003)*, pp. 217-224. New York: ACM Press.

Kraut, R., Gergle, D., & Fussell, S. (2002). The Use of Visual Information in Shared Visual Spaces: Informing the Development of Virtual Co-Presence. *Proceedings of the ACM Conference on Computer Supported Cooperative Work (CSCW 2002)*, pp. 31-40. New York: ACM Press.

Bos, N., Olson, J.S., Gergle, D., Olson, G.M., & Wright, Z. (2002). Effects of Four Computer-Mediated Communications Channels on Trust Development. *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI 2002)*, pp. 135-140. New York: ACM Press.

Nichols, J., Wobbrock, J., Gergle, D., & Forlizzi, J. (2002). Mediator and Medium: Doors as Interruption Gateways and Aesthetic Displays. *Proceedings of the ACM Conference on Designing Interactive Systems (DIS 2002)*, pp. 379-386. New York: ACM Press.

Bos, N., Gergle, D., Olson, J.S., & Olson, G.M. (2001). Being There Versus Seeing There: Trust via Video. *Proceedings of Human Factors in Computing Systems (CHI 2001) Extended Abstracts*, pp. 291-292. New York: ACM Press.

Brinck, T., & Gergle, D. (1998). The Design of Banking Websites: Lessons from Iterative Design. *Proceedings of Asia Pacific Computer Human Interaction (APCHI 98)*, pp. 386-391. Kanagawa, Japan.

Book Chapters

Hecht, B., & Gergle, D. (2015). How Local is User-Generated Content? A 9,000+ Word Essay on Answering a Seemingly Simple Research Question. In E. Hargittai and C. Sandvig (Eds.) *Digital Research Confidential: The Secrets of Studying Behavior Online*, pp. 173-200. MIT Press.

Gergle, D., & Tan, D. (2014). Experimental Research in HCI. In *Ways of Knowing in HCI*. (Eds: J.S. Olson and W. Kellogg), pp. 191-227. Springer.

Hecht, B., & Gergle, D. (2011). A Beginner's Guide to Geographic Virtual Communities Research. *Handbook of Research on Methods and Techniques for Studying Virtual Communities: Paradigms and Phenomena* (pp. 333-347). Ed: Daniel, Ben K. IGI Global.

Fussell, S. R., Kraut, R. E., Gergle, D., & Setlock, L. D. (2005). Visual Cues as Evidence of Others' Minds in Collaborative Physical Tasks. (Eds: B. Malle and S. Hodges), *Other Minds* (pp. 91-105). New York: The Guilford Press.

Refereed Workshops & Tutorials Organized

Ackerman, M., Adamic, L., Ellison, N., Gergle, D., Hecht, B., Lampe, C., Ringel Morris, M., & Teevan, J. (2013). Social Media Question Asking. Co-organized workshop presented at the *ACM Conference on Computer Supported Cooperative Work (CSCW 2013), Extended Abstracts*, pp. 297-298. New York: ACM Press.

Jermann, P., Bednarik, R., Gergle, D., & Brennan, S. (2013). DUET 2013: Dual Eye Tracking in CSCW. Organized workshop presented at *10th International Conference on Computer Supported Collaborative Learning (CSCL 2013)*.

Jermann, P., Gergle, D., Bednarik, R., & Brennan, S. (2012). DUET 2012: Dual Eye Tracking in CSCW. Organized workshop presented at the *ACM Conference on Computer Supported Cooperative Work (CSCW 2012), Extended Abstracts*, pp. 23-24. New York: ACM Press.

Jermann, P., Bednarik, R., & Gergle, D. (2011). DUET 2011: Dual Eye Tracking in CSCW. Organized workshop presented at the *European Conference on Computer Supported Cooperative Work (ECSCW 2011)*.

Gergle, D., Brinck, T., & Wood, S. (1999). Practical Usability Methods in Website Design. *Tutorial presented at Human Factors in Computing Systems (CHI 1999) Extended Abstracts*, pp. 110-111. New York: ACM Press.

Gergle, D., Brinck, T., & Wood, S. (1999). Practical Usability Methods in Website Design. Invited tutorial at *User Interface 99*, San Francisco, CA. (April 1999).

Brinck, T., Gergle, D., & Wood, S. (1998). Website Design from the Trenches. *Tutorial presented at Human Factors in Computing Systems (CHI 1998) Extended Abstracts*, pp. 133-134. New York: ACM Press.

Brinck, T., Gergle, D., and Wood, S. (1998). Website Design from the Trenches. Invited tutorial at *User Interface 98*, Boston, MA. (October 1998).

Awards and Honors

<i>Best Paper Award, Honorable Mention (CSCW 2016)</i>	2016
<i>Best Paper Award, Honorable Mention (CSCW 2014)</i>	2014
<i>Kavli Fellow, National Academy of Sciences</i>	2013
<i>Best Short Paper Award, Honorable Mention (CHI 2011)</i>	2011
<i>Best Paper Award, Honorable Mention (CSCW 2011)</i>	2011
<i>National Science Foundation Early Career Development Award (NSF CAREER, CISE:IIS division)</i>	2010-2015
<i>Best Paper Award (CHI 2010)</i>	2010
<i>Best Short Paper Award, Honorable Mention (CSCW 2010)</i>	2010
<i>Best Paper Award (MCIS 2010)</i>	2010
<i>Kavli Fellow, National Academy of Sciences</i>	2009-2011
<i>Clarence Ver Steeg Award, Northwestern University</i> The Graduate School (TGS) award for graduate student research mentoring.	2009
<i>Best Short Paper Award, Honorable Mention (CSCW 2008)</i>	2008
<i>Microsoft New Faculty Fellowship Finalist</i>	2007
<i>Best Paper Award, Honorable Mention (CHI 2007)</i>	2007
<i>Best Paper Award, Honorable Mention (CHI 2006)</i>	2006
<i>IBM Ph.D. Fellowship</i> IBM T.J. Watson Research	2003-2006

<i>NASA Graduate Student Researchers Program (GSRP) Award</i> Honorable Mention	2003
<i>General Scholarship Award</i> University of Michigan (Ann Arbor)	1999-2001
<i>Margaret Mann Award</i> Faculty voted award for top student in graduating class. University of Michigan (Ann Arbor)	2001

Research Grants

<i>NSF CHS: Coordination of Opportunistic Actions to Produce Globally Effective Behaviors for Physical Crowdsourcing</i> Role: co-PI	Under Review	\$496,380
<i>Google Faculty Research Grant</i> Role: PI (shared w/ E. Hargittai)	2015	\$93,493
<i>Facebook Faculty Research Gift</i> Facebook Role: PI	2013	\$25,000
<i>Workshop: CSCW 2014 Doctoral Colloquium</i> National Science Foundation (NSF CISE:IIS) Role: PI	2013-2014	\$25,049
<i>Building Audio Interfaces with Crowdsourced Concept Maps and Active Transfer Learning</i> National Science Foundation (NSF CISE:IIS) Role: Co-PI	2011-2014	\$499,804
<i>Technology Assisted Intervention for the Treatment and Prevention of Depression</i> National Institutes of Mental Health (NIMH) P20 Role: Co-I	2011-2016	\$4,998,832
<i>Bing Agent Friend</i> Microsoft Research Award Role: PI	2011	\$108,863
<i>CAREER: A Multi-Disciplinary Approach to the Next Generation of Collaborative Technologies</i> National Science Foundation (NSF CISE:IIS) Role: PI	2010-2015	\$485,918
<i>A Computational Framework for Culturally-Aware Communication Technologies</i> Robert and Kaye Hiatt Fund Role: PI	2009-2011	\$58,595
<i>Mobile Sensing Platform for Cognitive Behavioral Therapy</i> NIH-Subcontract from D. Mohr (NU Medical School) Role: PI	2009-2010	\$88,333

<i>Personalized Tools to Enhance Musical Creativity</i> National Science Foundation (NSF CISE:IIS) Role: Co-PI	2007-2009	\$150,000
<i>A Context-Sensing Toolkit to Support Communication Research</i> Robert and Kaye Hiatt Fund Role: PI	2007-2009	\$53,107
<i>Building Technologies to Support Distance Collaboration: The Role of Shared Visual Information for Distributed Collaboration</i> Microsoft Research (Award #16186) Role: PI	2007	\$50,000
<i>HCC: Coordinating Communication: Visual, Social & Biological Factors in Grounding for Humans and Agents</i> National Science Foundation (NSF CISE:IIS) Role: Co-PI	2007-2010	\$821,944
<i>Proposal for a New Cross-Departmental Shared Facility: The NU Mobile Eye Tracking Laboratory</i> Northwestern University OVPR Role: PI	2006-2008	\$41,464

Invited Presentations

Gergle, D. (2016). The Wikipedia Language Gap: Understanding and Designing for Global Communities. *Invited presentation at University of California, Irvine*. Department of Information and Computer Science. January 14, 2016.

Gergle, D. (2015). Omnipedia: A Tool for Understanding and Bridging the Wikipedia Language Gap. *Invited presentation at École Polytechnique Fédérale de Lausanne (EPFL)*. Department of Computer Science. September, 2015.

Gergle, D. (2015) The MAGIC Potential of Large Online Experiments for Theory Development. *Invited Discussant at Human Computer Interaction Conference (HCIC 2015)*. June 29, 2015.

Gergle, D. (2014). Understanding and Bridging the Wikipedia Language Gap. *Invited presentation at the International Workshop on Mass Collaboration and Education*. Leibniz-Institut für Wissensmedien, Knowledge Media Research Center (KMRC) – Tübingen, Germany. May 23, 2014.

Gergle, D. (2013). Understanding and Bridging the Wikipedia Language Gap. *Invited presentation at University of Illinois, Urbana-Champaign (UIUC) – Human-Computer Interaction Seminar Series*. Urbana, IL. November 12, 2013.

Gergle, D. (2013). Understanding and Bridging the Wikipedia Language Gap. *Invited presentation at University of California, San Diego (UCSD) – Inaugural “Design at Large” Lecture Series*. San Diego, CA. October 17, 2013.

Gergle, D. (2013). Mobilize! Lessons Learned... *Invited presentation at Sloan Doctoral Workshop on Developing Best Practices for Using Digital Tools to Study Human Behavior in Online Environments*. Led by E. Hargittai at Northwestern University, Evanston, IL. August 18-20, 2013.

Gergle, D. (2013). Understanding and Bridging the Wikipedia Language Gap. *Invited presentation at University of Illinois – Chicago (UIC), Communication Studies Colloquium Speaker Series*. Chicago, IL. March 20, 2013.

Gergle, D. (2010). Exploring User-Generated Content and Its Applications. *Invited presentation at IBM T.J. Watson Research, Collaborative User Experience (CUE) Group*. Cambridge, MA. May 11, 2010.

Gergle, D. (2009). The Role of Visual Information in Collaborative Technologies. *Invited presentation at Peking University, Visualization and Visual Analytics Group*. Beijing, China. October, 2009.

Gergle, D. (2009). The Role of Conversational Grounding in Collaborative Technologies. *Invited presentation at Cornell University, Department of Communication Studies*. Ithaca, NY. November 3, 2009.

Gergle, D. (2009). The Value of Shared Visual Space for Task-Oriented Collaboration. *Invited presentation at University of Illinois – Chicago, Cognitive Psychology Colloquium Speakers Series*. Chicago, IL. February 4, 2009.

Gergle, D. (2008). Grounding in Visual Scenes: Challenges for the Modeling of Grounding in Task-Oriented Collaborations. *Invited presentation at the University of Southern California (USC) Institute for Creative Technologies (ICT), Workshop on Multimodal Grounding for Virtual Humans and Robots*. USC-ICT, Marina Del Ray, CA. September 12, 2008.

Gergle, D. (2008). Understanding and Modeling Multimodal Communication. *Invited presentation at Distributed Cognition and Social Psychology Workshop*, Schwarzsee, Switzerland. June 2, 2008.

Gergle, D. (2007). Modeling the Impact of Shared Visual Information on Collaborative Reference. *Invited presentation at The CSCL Alpine Rendez-Vous, Mutual Modeling Workshop*. Villars-sur-Allon, Switzerland. January 21-24, 2007.

Gergle, D. (2004). The Value of Shared Visual Information for Collaborative Physical Tasks. *Invited presentation at the First Annual IBM Human-Computer Interaction Research Symposium*. Hawthorne, NY. September 28, 2004.

Fussell, S.R., Kraut, R.E., Gergle, D., & Setlock, L.D. (2003). Visual Cues as Evidence of Others' Minds in Collaborative Physical Tasks. *Other Minds: An Interdisciplinary Conference*. Institute of Cognitive and Decision Sciences, University of Oregon.

Conference & Workshop Paper Presentations

Liebman, N., & Gergle, D. (2015). Toward a Real-time Measure of Text-based Lexical Entrainment. *The 25th Annual Meeting of the Society for Text and Discourse*, Minneapolis, MN.

Davison, J., & Gergle, D. (2015). "This one over there?": Children's Reference to Near and Far Objects. *The 25th Annual Meeting of the Society for Text and Discourse*, Minneapolis, MN.

Hargittai, E., Gergle, D., Herndon, R., & Sirota, K. (2015). "Who is Jonathan the Tortoise?": Question-Asking in Everyday Life. *The 65th annual conference of the International Communication Association (ICA)*, Puerto Rico.

- Oeldorf-Hirsch, A., & Gergle, D. (2014). Audience targeting strategies for seeking information on Facebook. *Presented at the 64th annual conference of the International Communication Association (ICA)*, Seattle, WA.
- Hui, J. Gerber, E., & Gergle, D. (2014). Understanding and Leveraging Social Networks for Crowdfunding: Implications for Support Tools. *Work in progress presented at the CHI 2014 Conference*. Toronto, Canada.
- Kalman, Y., & Gergle, D. (2013). The Ubiquity and Influence of CMC Cues in Social Networking Sites. *Paper presented at the 2013 Conference of the International Communication Association (ICA)*. London, England.
- Kalman, Y., Scissors, L.E., Gill, A.J., & Gergle, D. (2012). Online Chronemics Convey Social Information. *Paper presented at the 2012 Conference of the International Communication Association (ICA)*. Phoenix, AZ.
- Clark, A., & Gergle, D. (2012). Know What I'm Talking About? Dual Eye-tracking in Multimodal Reference Resolution. *Paper presented at DUET 2012: Dual Eye Tracking workshop at CSCW 2012*.
- Clark, A., & Gergle, D. (2011). Mobile Dual Eye-tracking Methods: Challenges and Opportunities. *Paper presented at DUET 2011: Dual Eye Tracking workshop at ECSCW 2011*.
- Clark, A., & Gergle, D. (2010). Effects of Shifting Spatial Context on Referential Form. *Paper presented at the 20th Annual Meeting of the Society for Text and Discourse*, Chicago, IL.
- Scissors, L.E., Gill, A.J., Geraghty, K., & Gergle, D. (2010). Trust through text: Examining linguistic similarity and trust in text chat. Invited paper presented at the *Society for Personality and Social Psychology Annual Conference*, Las Vegas, NV.
- Kalman, Y., & Gergle, D. (2009). Woohoooo!! Letter and Punctuation Mark Repetitions as Cues in Computer-Mediated Communication. *Paper presented at the 2009 Conference of the National Communication Association*. Chicago, IL.
- Scissors, L., Gill, A.J., & Gergle, D. (2009). "You Can Trust Me," "I Can Trust You": Linguistic Accommodation and Trust in Text-Based CMC. *Paper presented at the 2009 Conference of the International Communication Association*. Chicago, IL.
- Gill, A.J., French, R.M., Gergle, D., & Oberlander, J. (2008). Identifying Emotional Characteristics from Short Blog Texts. *Paper presented at the 30th Annual Conference of the Cognitive Science Society*, Washington, D.C.
- Gill, A.J., French, R.M., Gergle, D., & Oberlander, J. (2008). Exploring Content Analysis and Co-occurrence Techniques to Identify Emotional Characteristics of Short Blog Texts. *Paper presented at the 18th Annual Meeting of the Society for Text and Discourse*, Memphis, TN.
- Gergle, D., Kraut, R.E., & Fussell, S.R. (2008). Communication Breakdowns in Collaborative Settings: The Influence of Visual Delay on Distributed Communication. *Paper presented at the 2008 Conference of the International Communication Association*. Montreal, Quebec.
- Gill, A.J., & Gergle, D. (2008). The Language of Trust Establishment in Face-to-Face and Video-Mediated Communication. *Paper presented at the 2008 Conference of the International Communication Association*. Montreal, Quebec.

Gill, A.J., Gergle, D., & Oberlander, J. (2008). Emotional Features of Short Blog Texts. *CHI 2008 Workshop on Measuring Affect in HCI: Going Beyond the Individual* (Shami, N.S., Hancock, J., Peter, C., Muller, M., Kim, Y., & Mandryk, R.). Florence, Italy.

Gergle, D. Rosé, P., & Kraut, R.E. (2007). Computational Modeling of Reference in the Presence of Shared Visual Information. *Paper presented at the 17th Annual Meeting of the Society for Text and Discourse*, Glasgow, Scotland.

Gergle, D. (2006). The Value of Shared Visual Information for Collaborative Task Performance. *IBM T.J. Watson Research – Hawthorne, NY* (March 14, 2006) & *IBM T.J. Watson Research – Cambridge, MA* (March 16, 2006).

Gergle, D. (2005). The Value of Shared Visual Space for Collaborative Physical Tasks. *Doctoral Consortium Presentation at Human Factors in Computer Systems (CHI 2005) Extended Abstracts*, pp. 1116-1117. Portland, OR.

Gergle, D. (2004). Using Language and Behavioral Performance Measures to Evaluate Collaboration. *Presented at Computer Supported Cooperative Work (CSCW) Workshop on Methodologies for Evaluating Collaboration in Co-located Environments*. Chicago, IL.

Kraut, R.E., Gergle, D., & Fussell, S.R. (2004). The Use of Visual Information in Shared Visual Space. *Paper presented at the 2004 Conference of the International Communication Association*. New Orleans, LA.

Gergle, D. & Millen, D. (2003). Common Ground in Distributed Collaborative Interactions: Coordination, Action and Behavior in Text-Chat Clients. *IBM T.J. Watson Research Center*. Cambridge, MA.

Shah, P., Hoeffner, J., Gergle, D., Anderson, N., & Shellhammer, D. (2000). A construction-integration approach to graph comprehension. *Presented at the 41st Annual meeting of the Psychonomic Society*. New Orleans, LA.

Gergle, D., Brinck, T., and Wood, S. (1999). Practical Usability Methods in Website Design. *Invited tutorial presented at BAYCHI*, Santa Clara, CA.

Internal Presentations and Talks

NU Cognitive Science Pro-Seminar. Guest lecture (2008-2014).

NU Segal Design Institute, Research Council. Invited lecture (2013).

NU Segal Design Institute, Research Council. Invited lecture (2013).

NU “Designing Product Interactions” course. Guest lecture (2013, 2014).

NU IDEA Program, Engineering, Design & Innovation. Guest lecture (2008-2011).

SoC Century Scholars Invited Talk. November 15, 2007.

NU Domain Dinner, “Technology and Social Behavior”. February 12, 2007.

NU MTS/TSB Graduate Seminar. Guest Lecture (2006-2015).

NU Theories of Mass Communication (Communication Studies). Guest Lecture (2006).

NU SoC MSC Managerial Program. Guest Lecture (2006).

Teaching

Instructor, Spring 2007, 2008, 2011, 2012, 2014-2016

Understanding Technology and Human Interaction (Comm. St. 395 / EECS 395)

Northwestern University

Instructor, Fall 2014

Data as Art

School of the Art Institute of Chicago (SAIC) and Northwestern University

Instructor, Winter 2014
Python for Social Scientists (Comm. St. 525)
Northwestern University

Instructor, Spring 2009, Fall 2010, Fall 2012
Theories and Practice of Computer Mediated Communication (Comm. St. 525)
Northwestern University

Instructor, Winter 2007-2013
Applied Research Methods for Media and Technology (Comm. St. 525)
Northwestern University

Instructor, Fall 2007
Theories & Technologies for Human Communication (Comm. St. 525 / EECS 431)
Northwestern University

Co-Instructor with Ken Koedinger, James Fogarty and A. Fleming Seay, Spring 2005
HCI for Computer Scientists (15-291)
Carnegie Mellon University

Co-Instructor with Sara Kiesler and Irina Shklovski, Fall 2004
Applied Research Methods (05-816)
Carnegie Mellon University

Teaching Assistant for Judith S. Olson, Fall 2000
Evaluation of Systems and Services (622-1)
University of Michigan

University Service

Northwestern University

Technology & Social Behavior Joint Ph.D., Director of Graduate Studies 2010-present
Northwestern TGS Design Cluster, Director 2012-2015

Technology & Social Behavior Joint Ph.D., Executive Committee 2006-present
Segal Design Institute Research Council, Co-Chair 2012-present
Media, Technology & Society, Executive Committee 2011-2012
Center for Technology & Social Behavior, Executive Committee 2008-2010

NU Limited Submissions Selection Committee 2011-12; 13-14
Technology & Social Behavior joint Ph.D., Director of Admissions 2009-12; 2015
Technology & Social Behavior Graduate Admissions Committee 2007-present
Media, Technology & Society Graduate Admissions Committee 2007-10, 2013
EECS Qualifying Exams Committee 2007

TSB Faculty Search, Chair 2011-12; 15-16
EECS/Segal Design Search, Committee Member 2011-2012
Segal Design Institute Search, Committee Member 2010-2011
MTS Faculty Search, Committee Member 2008-2010
MTS/RTVF Faculty Search, Committee Member 2007-08; 14-15
TGS Clarence Ver Steeg Selection Committee 2010
NU UCIT Vision 2020 Faculty Focus Session #1 2006
Invited Panel Member

Carnegie Mellon University

PhD Admissions Committee, HCII 2004

Professional Service

Editorial Boards (Journals):

Associate Editor, Human Computer Interaction (HCI Journal)	2012-present
Associate Editor, Trans. on Computer-Human Interaction (ToCHI)	2014-present
Editorial Board Member, Communication Research	2012-present
Editorial Board Member, Discourse Processes	2012-present
Editorial Board Member, J. of Comp.-Mediated Comm. (JCMC)	2013-present
Editorial Board Member, Social Media + Society (SM+S)	2015-present

Organizing Committee Member:

General Conference co-Chair, CSCW 2016	
Doctoral Colloquium co-Chair, CSCW 2014	
Panels co-Chair, CSCW 2013	
Workshops co-Chair, CSCW 2012	
NAS Korean-American Kavli Frontiers of Science Symposium, 2013 (National Academies of Science)	
NAS Chinese-American Kavli Frontiers of Science Symposium, 2009-2011	
Society for Text & Discourse, 2010	
Interactive Posters co-Chair, CSCW 2010	

Reviewer (Journals):

Ergonomics	2014
Transactions on Computer-Human Interaction (ToCHI)	2008, 2014
Transactions on Information Systems (TOIS)	2014
Discourse Processes	2007-2013
The Professional Geographer	2012
Journal of Experimental Psychology: Applied	2010
International Journal of Human-Computer Studies (IJHCS)	2009
Human-Computer Interaction journal	2007-2008
Human Technology	2007
IEEE Internet Computing	2006
IEEE Multimedia	2005

Program Committee Member:

Associate Chair, CHI Conference	2007-2014
Associate Chair, WWW Conference (Web Science Track)	2013-2014
Associate Chair, CSCW Conference	2007-2013
Associate Chair, GROUP Conference	2010; 2015
Associate Chair, EMNLP 2008 (Discourse, Dialogue & Pragmatics Track)	2008

Reviewer (Conferences):

ACM CSCW Conference, Technical Papers and Notes	2004-2013
ACM CHI Conference, Technical Papers and Notes	2002-2015
Conference on Empirical Methods in NLP (EMNLP 2008) (Discourse, Dialogue, and Pragmatics Track)	2008
GROUP Conference, Technical Papers and Notes	2005, 2010
Graphics Interface (GI)	2008
International Communication Association	2007-09; 11-14
Hawai'i International Conference on System Sciences (HICSS)	2007

Invited Panelist / Selection Committee Member (Grant Proposals):

CRA Computing Innovation (CI) Fellows Selection Committee	2011
National Science Foundation (NSF)	2007-2015

Awards Committees:

CHI 2013 Best Paper Selection Committee	2013
CSCW 2012 Best Paper Selection Committee	2012

Memberships:

Association for Computational Linguistics (ACL)
Association for Computing Machinery (ACM) and ACM SIGCHI
Cognitive Science Society (CSS)
International Communication Association (ICA)
National Communication Association (NCA)
Society for Text and Discourse (ST&D)

Student and Post-Doctoral Advising

Post-Doctoral Advising:

Anne Oeldorf-Hirsch (Asst. Professor, Univ. of Connecticut)	2012-2013
Emilee J. Rader (Asst. Professor, Michigan State Univ.)	2009-2010
Yoram Kalman (Sr. Lecturer, The Open University of Israel)	2008-2009
Alastair J. Gill (Research Fellow, King's College - London)	2007-2009

Chair, Doctoral Thesis Committee:

Patti Bao (TSB; UX Researcher at Google)	April, 2013
Brent Hecht (EECS; Asst. Prof. at Univ. of Minnesota)	Feb, 2013
Brian Keegan (MTS, co-chair w/Contractor; Research Associate at Harvard Business School)	Dec, 2012
Lauren Scissors (MTS; UX Researcher at Facebook)	Dec, 2013
Paul Tepper (TSB; Sr. Computational Linguistics Engineer at Idibon)	May, 2014

Committee Member, Doctoral Thesis Committee:

Amartya Banerjee (Northwestern University, EECS)	In progress
Mark Cartwright (Northwestern University, EECS)	In progress
Mike Greenberg (Northwestern University, TSB)	In progress
Julie Hui (Northwestern University, Mech. Eng.)	In progress
Madeline Smith (Northwestern University, TSB)	In progress
Mingxian Wang (Northwestern University, Mech. Eng.)	In progress
Yi Yang (Northwestern University, EECS)	Sept, 2015
Kshitij Sharma (École Polytechnique Fédérale de Lausanne, Comp.Sci.)	Sept, 2015
Alina Lungeanu (Northwestern University, TSB)	Sept, 2015
Eden Litt (Northwestern University, MTS)	June, 2015
Chris Schmader (Northwestern University, Cog. Psych.)	May, 2015
Courtney Blackwell (Northwestern University, MTS)	April, 2015
Brooke Foucault Welles (Northwestern University, MTS)	July, 2012
Andrea Tartaro (Northwestern University, TSB)	Dec, 2010
William Thompson (Northwestern University, Linguistics)	Dec, 2009
David Huffaker (Northwestern University, MTS)	July, 2009
Mauro Cherubini (École Polytechnique Fédérale de Lausanne, Comp.Sci.)	June, 2008

Graduate Thesis Advisor (pre-candidacy)

Mark Díaz (Northwestern University)	2015-present
Stephen (Jim) Maddock (Northwestern University)	2015-present
Scott Cambo (Northwestern University)	2014-present
Sarah D'Angelo (Northwestern University)	2013-present
Noah Liebman (Northwestern University)	2011-present

Chair, Masters Thesis Committee:

Alan Clark (Northwestern University)	Aug, 2012
Brian Keegan (Northwestern University)	May, 2010

Lauren Scissors (Northwestern University) April, 2010
Chris Karr (Northwestern University) April, 2009

Qualifying Exams Supervised:

Lillian Boxman (Northwestern University) 2015
Sarah D'Angelo (Northwestern University) 2015
Colin Fitzpatrick (Northwestern University) 2015
Noah Liebman (Northwestern University) 2015
Casey (Spruill) Pierce (Northwestern University) 2014
Courtney Blackwell (Northwestern University) 2013
Eden Litt (Northwestern University) 2013
Ryan Whalen (Northwestern University) 2012
Lindsay Young (Northwestern University) 2012
Alan Clark (Northwestern University) 2011
Brent Hecht (Northwestern University) 2011
Brian Keegan (Northwestern University) 2010
Sheena Lewis (Northwestern University) 2010
Lauren Scissors (Northwestern University) 2010
Patti Bao (Northwestern University) 2009
Dan Li (Northwestern University) 2009
Francisco Iacobelli (Northwestern University) 2007
Andrea Tartaro (Northwestern University) 2007

Undergraduate Honors Thesis Advisor:

Nick Merrill (Cognitive Science, Northwestern University) 2012-2013
Amanda Yentz (Northwestern University) April, 2009

Current Undergraduate and Research Assistant Advising and Mentoring:

Eric Kim, Cognitive Science
Jerry Li, Computer Science
Danielle Pierre, Communication Sciences & Disorders, Psychology
Samantha Rae Trippy, Computer Science
Ivy Zheng, Computer Science

Former Undergraduate Advisees and Research Assistants:

Irsal Alsanea, Computer Science
Khalid Aziz, Computer Science
Jason Bornstein, Analyst in Strategy & Analysis department of Digitas
Candace Brown, Computer Science major & German minor
Samuel Carton, Ph.D. program at the University of Michigan, SI
Jiho Choi, Communication Studies major
Ethan Coffel, Integrated Science Program & Computer Engineering
Sejal Danawala, MD, NU Feinberg School of Medicine
Margaret Echelbarger, Ph.D. program at the Univ. of Michigan, Psychology
Jeffrey Geiger, Ph.D. program at Univ. of Chicago, Linguistics
Alison Ho, RTVF
Steve Howard, Software Development Engineer at Microsoft in Seattle
Baris Inkaya, Trading applications developer at Simplex Investments in Chicago
Alice Lee, Cognitive Science and Human Development and Psych. Services major
Nick Merrill, Enrolled in UC Berkeley PhD program, iSchool
Hsuan-Po (Sherry) Lin, Communication Studies and International Studies major
Alex Markov, Enrolled in PhD program at the University of California, Santa Barbara
Federico Paredes, Computer Science
Linnea Perelli-Minetti, Corporate strategy and marketing at Visa in San Francisco
Morgan Richardson, Communication Studies
Kristina Rodriguez, Communication Science and Disorders major
Luke Rouser, Activist and Sex Educator in Chicago

Jason Sandler, Business Technology Analyst at Deloitte Consulting
Brad Weinberger, Software Development Engineer at Microsoft in Seattle
Chip Weinberger, Economics and Computer Science
Isaac Wilson, Software Development Engineer at Microsoft in Seattle, Enrolled in M.S.
Software Engineering at CMU West
Matt Zelner, Radio/Television/Film and Psychology double major
Jia Zhang, CIS major