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Education

	University of Colorado	
1996-99	Postdoctoral Research Fellow	
1993	Ph.D. in Computer Science	dissertation: "Interpretation in Design"
1990	M.Sc. in Computer Science	exams in AI, theory, programming languages
	Northwestern University	
1975	Ph.D. in Philosophy	dissertation: "Heidegger and Marx"
1971	M.A. in Philosophy	
	University of Frankfurt	
1973	Graduate study	critical social theory
	University of Heidelberg	
1968	Graduate study	continental philosophy
	Massachusetts Institute of Technology (MIT)	
1967	B.S. in Humanities & Science	math & philosophy

Professional Experience

	Associate Professor
2002-present	College of Information Science & Technology, Drexel University, Philadelphia, PA
	Visiting Research Scientist
2001-2002	BSCW Development Team, CSCW Department, GMD & Fraunhofer Institute -- FIT, Sankt Augustin, Germany
	Assistant Research Professor
1999-2001	Department of Computer Science and Institute of Cognitive Science, Boulder, CO
	Post Doctoral Research Fellow
1996-1999	Center for LifeLong Learning & Design, Boulder, CO
	Director of Software R&D
1993-1996	Owen Research Inc., Boulder, CO
	Graduate Research Assistant
1990-1993	College of Environmental Design, Boulder, CO
	Intern Interface Developer
1990-1991	US West Advanced Technology, Denver & Boulder, CO
	Computer Science Instructor & Teaching Assistant
1989-1990	University of Colorado, Boulder, CO
	Executive Director
1984-1989	Community Computerization Project, Philadelphia, PA
	Neighborhood Development Planner
1979-1984	Southwest Germantown Community Development Corporation, Philadelphia, PA
	Community Organizer & VISTA Supervisor
1978-1979	Philadelphia Council of Neighborhood Organizations, Philadelphia, PA
	Systems Programmer
1974-1977	Temple University, Philadelphia, PA
1970-1974	Northwestern University, Evanston, IL
1969-1970	Temple University, Philadelphia, PA
	Applications Programmer
Summer 1966	Brown Bovari Cie, Baden, Switzerland
Summer 1965	University of Pennsylvania, Philadelphia, PA

Funded Research at Drexel

- "Engaged Learning in Online Communities." Award SBE-0518477. Funded by the National Science Foundation Science of Learning Center Catalyst Program for \$180,762 over 3 years on October 1, 2005. PI: Gerry Stahl; co-PIs: Sharon J Derry (Wisconsin); K. Ann Renninger (Swarthmore); Mary R Marlino (UCAR); Daniel D Suthers (Hawaii). Project description: www.cis.drexel.edu/faculty/gerry/publications/proposals/slc2005.
- "IERI: Catalyzing & Nurturing Online Workgroups to Power Virtual Learning Communities." Award IERI 0325447. Funded by the National Science Foundation IERI Program for \$2,300,00 over 7 years on September 1, 2003. PI: Gerry Stahl; co-PIs: Stephen Weimar and Wesley Shumar. Project description: www.cis.drexel.edu/faculty/gerry/publications/proposals/itr2003
- "Collaboration Services for the Math Forum Digital Library." Award DUE 0333493. Funded by the National Science Foundation NSDL Services Program for \$450,000 over 3 years on August 15, 2003. PI: Gerry Stahl; co-PIs: Stephen Weimar and Wesley Shumar. Project description and proposal reviews: www.cis.drexel.edu/faculty/gerry/publications/proposals/nsdl2003

Grant Proposals at Drexel

The first four proposals listed below are currently pending as of July 15, 2007.

- "Increasing Helping Behavior in Collaborative Problem Solving in the Virtual Math Teams Environment." Proposal 735571 to the National Science Foundation Advanced Learning Technologies (ALT) Program. Submitted for \$606,669 over 3 years on April 23, 2007. PI: Carolyn Rosé (CMU); co-PI: Gerry Stahl (Drexel) and co-PI: Stephen Weimar (Math Forum). www.cis.drexel.edu/faculty/gerry/publications/proposals/alt2007.pdf.
- "Collaborative Research: Representations for Analyzing Collaborative Knowledge Construction in Technology-mediated Learning Environments." Proposal 723505 to the National Science Foundation Research and Evaluation on Education in Science and Engineering (REESE) Program. Submitted for \$249,062 over 3 years on January 29, 2007. PI: Gerry Stahl; co-PI: Stephen Weimar (Math Forum) and Alan Zemel (Culture & Communication). Collaborative proposal with Daniel Suthers (Hawaii) for \$450,999 and Cindy Hmelo-Silver (Rutgers New Brunswick). www.cis.drexel.edu/faculty/gerry/publications/proposals/reese2007a.pdf.
- "eMath: Diverse High School Students Developing Mathematical Reasoning through Online Collaboration." Proposal 723605 to the National Science Foundation Research and Evaluation on Education in Science and Engineering (REESE) Program. Submitted for \$995,145 over 3 years on January 29, 2007. PI: Arthur Powell (Rutgers, Newark); co-PI: Gerry Stahl (Drexel) and Carolyn Maher (Rutgers). www.cis.drexel.edu/faculty/gerry/publications/proposals/reese2007b.pdf.
- "Exploring Adaptive Support for Virtual Math Teams." SGER Proposal to the National Science Foundation Research and Evaluation on Education in Science and Engineering (REESE) Program. Submitted for \$50,000 over 1 year on January 29, 2007. PI: Carolyn Rosé (CMU); co-PI: Gerry Stahl. www.cis.drexel.edu/faculty/gerry/publications/proposals/reese2007c.pdf.
- "Optimizing Feedback for Eliciting Pedagogically Valuable Explanation in Collaborative Problem Solving." Proposal to the National Science Foundation Advanced Learning Technologies Program. Submitted for 2 years on May 15, 2006. PI: Carolyn Rosé (CMU); co-PIs: Stephen Weimar and Gerry Stahl. www.cis.drexel.edu/faculty/gerry/publications/proposals/alt2006.pdf.
- "Engaged Learning in Online Communities." Proposal to the National Science Foundation Science of Learning Center Catalyst Program. Submitted for \$180,762 over 1.5 years on January 14, 2005. Proposal 0518477: www.cis.drexel.edu/faculty/gerry/publications/proposals/engaged/description.pdf.
- "Interaction Math: An Informal Online Learning Collaboratory Led by the Math Forum @ Drexel." Proposal to the National Science Foundation Informal Science Education Program. Submitted for \$2,933,126 over 5 years on January 6, 2005. PI: Gene Klotz (Math Forum); co-PIs: Gerry Stahl and Stephen Weimar. Proposal 0515544: www.cis.drexel.edu/faculty/gerry/publications/proposals/informal/description.pdf.
- "Studying Online Collaborative Learning at the Math Forum." Proposal 337162 to the National Science Foundation ROLE Program. PI: Gerry Stahl; co-PIs: Scott Robertson and Wesley Shumar. Submitted for \$1,790,931 over 3 years on June 1, 2003. Proposal: www.cis.drexel.edu/faculty/gerry/publications/proposals/role2003

- "Collaboration Services for the Math Forum Digital Library." Proposal 333493 to the National Science Foundation NSDL Services Program. PI: Gerry Stahl; co-PIs: Stephen Weimar and Wesley Shumar. Submitted for \$494,953 over 2 years on April 21, 2003. Proposal: www.cis.drexel.edu/faculty/gerry/publications/proposals/nsdl2003
- "Group Knowledge Construction in Digital Library Communities." Proposal to the National Science Foundation NSDL Targeted Research Program. Submitted for \$498,748 over 2 years on April 21, 2003. PI: Scott Robertson; co-PIs: Gerry Stahl and Susan Weidenbeck. Proposal 0333471: www.cis.drexel.edu/faculty/gerry/publications/proposals/nsdl2003b
- "ITR: Catalyzing & Nurturing Online Workgroups to Power Virtual Learning Communities." Proposal to the National Science Foundation ITR Program. PI: Gerry Stahl; co-PIs: Stephen Weimar and Wesley Shumar. Submitted for \$3,374,472 over 5 years on February 12, 2003. Proposal 0325447: www.cis.drexel.edu/faculty/gerry/publications/proposals/itr2003
- "Educational Online Communities for At-Risk Youth." Proposal to foundations. Written for \$88,000 over 1 year in December 2002. Proposal: www.cis.drexel.edu/faculty/gerry/publications/proposals/nursing2003/nursing.doc

Funded Research at Colorado (1997-2001)

Following are my grants as a post-doc and Research Professor from 1997-2001. Prior to that, I was involved with proposing, implementing and managing many city, state, federal & foundation grants from 1978-1984, and industry, state & federal grants from 1990-1996.

- 2001-2002: "Enhancing collaborative learning among researchers, practitioners, and students at CSCL 2002" (co-PI with Gerhard Fischer & Hal Eden) \$49,860; 10/1/01-9/30/02. Sponsor: NSF. Proposal 124010.
- 2000-2001: "New Media to Support Collaborative Knowledge-Building: Beyond Consumption and Chat" (Principal Investigator) \$19,752; Sponsor: Lab for New Media Strategy and Design. Proposal: <http://www.cis.drexel.edu/faculty/gerry/publications/proposals/media/media.pdf>. Results: <http://www-jime.open.ac.uk/00/stahl/>.
- 1999-2000: "Interoperability among Knowledge Building Environments" (Principal Investigator) \$9,124; Sponsor: Center for Innovative Learning Technology / SRI. Proposal: <http://www.cis.drexel.edu/faculty/gerry/publications/proposals/cilt99/proposal.pdf>. Results: <http://www.cis.drexel.edu/faculty/gerry/xml>.
- 1998-1999: "Collaborative Web-Based Tools for Learning to Integrate Scientific Results into Social Policy" (co-PI with Ray Habermann at NOAA) \$89,338; Sponsor: NSF. Results: <http://www.cis.drexel.edu/faculty/gerry/publications/conferences/1999/group99/>.
- 1997-2000: "Conceptual Frameworks and Computational Support for Organizational Memories and Organizational Learning" (co-PI with Gerhard Fischer and Jonathan Ostwald) \$725,000; Sponsor: NSF, Computation and Social Systems program. Proposal: <http://www.cis.drexel.edu/faculty/gerry/publications/proposals/omol>. Results: www.cis.drexel.edu/faculty/gerry/publications/journals/ai&society/AI&Soc.PDF.
- 1997-2000: "Allowing Learners to be Articulate: Incorporating Automated Text Evaluation into Collaborative Software Environments" (primary author and primary software developer; PIs: Gerhard Fischer, Walter Kintsch and Thomas Landauer) \$678,239; Sponsor: James S. McDonnell Foundation, Cognitive Science in Education Program. Proposal: <http://www.cis.drexel.edu/faculty/gerry/publications/proposals/mcdonnell>. Results: <http://www.cis.drexel.edu/faculty/gerry/publications/journals/ile2000/ile.pdf>.

Grant Proposals at Colorado (1997-2001)

- "Enhancing collaborative learning among researchers, practitioners, and students at CSCL 2002" (co-PI with Gerhard Fischer & Hal Eden) \$49,860; Sponsor: NSF. Proposal 124010:
- "New Media to Support Collaborative Knowledge-Building: Beyond Consumption and Chat" (Principal Investigator) Proposal to the Lab for New Media Strategy and Design. Submitted for \$19,752 over 4 months on September 1, 2000. Proposal: <http://www.cis.drexel.edu/faculty/gerry/publications/proposals/media/media.pdf>.

- "Interoperability among Knowledge Building Environments" (Principal Investigator) \$9,124; Sponsor: Center for Innovative Learning Technology / SRI. Proposal: <http://www.cis.drexel.edu/faculty/gerry/publications/proposals/cilt99/proposal.pdf>.
- "Collaborative Web-Based Tools for Learning to Integrate Scientific Results into Social Policy" (co-PI with Ray Habermann at NOAA) \$89,338; Sponsor: NSF.
- "Conceptual Frameworks and Computational Support for Organizational Memories and Organizational Learning" (co-PI with Gerhard Fischer and Jonathan Ostwald) \$725,000; Sponsor: NSF, Computation and Social Systems program. Proposal: <http://www.cis.drexel.edu/faculty/gerry/publications/proposals/omol>.
- "Allowing Learners to be Articulate: Incorporating Automated Text Evaluation into Collaborative Software Environments" (primary proposal author and post-doc; PIs: Gerhard Fischer, Walter Kintsch and Thomas Landauer) \$678,239; Sponsor: James S. McDonnell Foundation, Cognitive Science in Education Program. Proposal: <http://www.cis.drexel.edu/faculty/gerry/publications/proposals/mcdonnell>.
- "CSS: Perspectives on Collaboration: a Micro-ethnographic Study of Computational Perspectives in Computer Support for Collaborative Knowledge-Building at a Virtual Biology Laboratory." (Principal Investigator) Proposal 117630 to the National Science Foundation CSS Program. Submitted for \$307,718 over 3 years on February 15, 2001. Proposal: <http://www.cis.drexel.edu/faculty/gerry/publications/proposals/css2001/css2001.pdf>.
- "ITR/PE (EHR): Information Technology for Distributed Collaborative Learning in a Virtual Biology Lab." (Principal Investigator) Proposal 112397 to the National Science Foundation ITR Program. Submitted for \$472,610 over 3 years on January 18, 2001. Proposal: <http://www.cis.drexel.edu/faculty/gerry/publications/proposals/itr2001/proposal.pdf>.
- "ROLE proposal: The Role of Computational Cognitive Artifacts in Collaborative Learning and Education" (Principal Investigator) Proposal 106950 to the National Science Foundation ROLE Program. Submitted for \$970,971 over 3 years on December 1, 2000. Proposal: <http://www.cis.drexel.edu/faculty/gerry/publications/proposals/role/role.pdf>.
- "ROLE Pre-proposal: The Role of Computational Cognitive Artifacts in Collaborative Learning and Education" (Principal Investigator) Proposal 96877 to the National Science Foundation ROLE Program. Submitted for \$750,000 over 3 years on September 1, 2000. Encouraged full submission. Proposal: <http://www.cis.drexel.edu/faculty/gerry/publications/proposals/role/role2pre.pdf>.
- "ROLE Pre-proposal: Research on Collaboration in Learning and on Collaboration Technology in Education" (Principal Investigator) Proposal 83440 to the National Science Foundation ROLE Program. Submitted for \$720,000 over 3 years on February 29, 2000. Encouraged full submission. Proposal: <http://www.cis.drexel.edu/faculty/gerry/publications/proposals/role/role1pre.pdf>.
- "ITR/IM: Perspectives on Collaborative Knowledge-Building" Proposal 82829 to the National Science Foundation ITR Program. (Principal Investigator) Submitted for \$489,560 over 3 years on February 17, 2000. Proposal: http://www.cis.drexel.edu/faculty/gerry/publications/proposals/itr_kbe/itr-kbe.pdf.
- "IT Support for Knowledge-Building in Workgroups" (Principal Investigator) Proposal 82263 to the National Science Foundation CSS Program. Submitted for \$399,190 over 3 years on February 15, 2000. Proposal: http://www.cis.drexel.edu/faculty/gerry/publications/proposals/omol2000/OMOL_2000.pdf.
- "Collaborative Research on Knowledge-Building Environments: Growing a National and International Research Community for Distance Learning Information Technology" (Principal Investigator) Proposal 77095 to the National Science Foundation. Pre-proposal submitted for \$2,700,000 over 5 years on January 5, 2000. Proposal: <http://www.cis.drexel.edu/faculty/gerry/publications/proposals/collab/collab.pdf>.
- "Models for Organizing Collaboration: Ways of Supporting Distributed Learning" Proposal to Lotus Corporation. (Principal Investigator) Submitted for \$68,000 over 1 year on January 18, 2000. Proposal: <http://www.cis.drexel.edu/faculty/gerry/publications/proposals/lotus/lotus.pdf>.
- "POW! Perspectives on the Web" (Principal Investigator) Proposal to the Colorado Advanced Software Institute (CASI). Submitted for \$40,000 over 1 year on November 30, 1999. Proposal: <http://www.cis.drexel.edu/faculty/gerry/publications/proposals/casi>.
- "POW! Perspectives on the Web" (Principal Investigator) Proposal to Intel Corporation. Submitted for \$190,000 over 3 years on October 18, 1999. Proposal: <http://www.cis.drexel.edu/faculty/gerry/publications/proposals/intel>.
- "Research CyberStudio" (Principal Investigator) Internal research concept paper. Proposal: <http://www.cis.drexel.edu/faculty/gerry/publications/proposals/cyberstudio>.

Software Development Projects (1990-present)

These are some of the systems I implemented in the past decade, either at the Fraunhofer Institute, the University of Colorado or as a consultant. Except where indicated, I was the primary developer and they resulted in working prototypes. Theoretical frameworks for most of them are presented in my book, *Group Cognition*. In some cases (e.g., **BSCL**, **Hermes**, **State the Essence** and **WebGuide**) they are being used in on-going field studies.

- **VMT** (2003-present): Virtual Math Teams is software to support collaborative problem solving of school mathematics by middle school and high school students who visit The Math Forum and join virtual math teams to discuss mathematics together. See: <http://mathforum.org/vmt>.
- **BSCL** (2001-2003): Basic System for Collaborative Learning is a knowledge-building environment with personal and group perspectives based on BSCW, a web-based shared workspace. Funded by the European Union ITCOLE Project, it is being used in schools in several European countries. See: [Groupware Goes to School](#).
- **WebGuide** (1998-2001): a knowledge-building environment with personal and group perspectives to facilitate collaboration and management of shared information spaces. Tried out in a middle school course and two graduate seminars. Supported by grants listed above. <http://www-jime.open.ac.uk/00/stahl/>
- **InterOp** (1999-2000): XML-based software to export data from incompatible knowledge-building environments in a standard format for display using XSL. Also used for client-server connection in WebGuide. Supported by CILT/SRI. <http://www.cis.drexel.edu/faculty/gerry/xml>
- **State the Essence** (1997-1999): educational software using latent semantic analysis (LSA) to provide feedback to students summarizing a text. Used in middle school classrooms for three years and subjected to rigorous controlled experiments showing positive results, particularly for students having trouble understanding the given text. Supported by McDonnell Foundation. <http://www.cis.drexel.edu/faculty/gerry/publications/journals/ile2000/ile.pdf>
- **SimRocket** (1998): a model-rocket simulation. Used with a middle school project team to analyze the effects of different rocket features. <http://www.cis.drexel.edu/faculty/gerry/publications/conferences/2001/ethnography2001/ethnography.pdf>
- **WebNet** (1996-1997): a Web-based design environment for LAN design and management. Integrated a number of components for collecting, displaying, up-dating and discussing domain knowledge and local knowledge about LAN configuration. Supported by ARPA. <http://www.cis.drexel.edu/faculty/gerry/publications/journals/ai&society/AI&Soc.PDF>
- **CIE** (1995-1996): a workplace documentation support system for ISO 9000 certification, using computational perspectives to support bottom-up documentation processes. Prototyped for a local software startup.
- **Tracker** (1995-1996): an information management system for the Baltimore public schools to track services to students on welfare. I worked on interface components to an Access database as a consultant.
- **OptoNet** (1994-1995): a software feedback system in LabView with real-time analog-to-digital data acquisition to stabilize holographic equipment during space flight. This software was tested on NASA zero-g simulation flights. Developed under an NASA SBIR II grant.
- **TCA** (1994-1995): a digital library for teachers to exchange, discuss, and adapt curricular materials for constructivist classrooms. The Teachers' Curriculum Assistant anticipated approaches now being implemented years later. Prototyped under an NSF SBIR I grant. <http://www.cis.drexel.edu/faculty/gerry/publications/journals/c&e/C&E.PDF>
- **Crew** (1993-1995): a case-based reasoning system to model long-term astronaut missions, developed under contract with NASA in cooperation with psychologists at Houston astronaut support. Extends and integrates several AI techniques. Developed under an NASA SBIR II grant and delivered to NASA. <http://www.cis.drexel.edu/faculty/gerry/publications/journals/crew/crew.PDF>
- **Hermes** (1992-1993): a hypermedia substrate for design environments, including computational perspectives, persistent versions of drawings, user-programmable critic agents, extensible scripting language. This was my dissertation system. I used it to implement an environment for lunar habitat design. NASA subsequently used it for their *Space Station Freedom Man-Systems Integration Standards* design guidelines for spacecraft. Supported by CASI and Johnson Engineering. http://www.cis.drexel.edu/faculty/gerry/publications/conferences/1990-1997/cogsci93/COGSC_TR.PDF

- **Phidias²** (1990-1992): an object-oriented rewrite of a hypermedia substrate for design rationale using contexts. This was an early version of Hermes. Supported by CASI and IBM.
- **InterView** (1990-1991): an information management system for US West service providers to access data in multiple legacy database systems. I worked on C++ interface components to an object-oriented database management system as an intern.

Writings

Dissertations

- Stahl, G. (1993). *Interpretation in design: The problem of tacit and explicit understanding in computer support of cooperative design*. Unpublished Ph.D. Dissertation, Department of Computer Science, University of Colorado, Boulder, CO. Available online at <http://www.cis.drexel.edu/faculty/gerry/publications/dissertations/computer>.
- Stahl, G. (1975). *Marxian hermeneutics and Heideggerian social theory: Interpreting and transforming our World*. Unpublished Ph.D. Dissertation, Department of Philosophy, Northwestern University, Evanston, IL. Available online at <http://www.cis.drexel.edu/faculty/gerry/publications/dissertations/philosophy>.

Books

- Stahl, G. (in preparation). *Virtual math teams: Explorations in group cognition*. Berlin, Germany: Springer Verlag. Available online at http://www.cis.drexel.edu/faculty/gerry/pub/explorations_proposal.pdf.
- Stahl, G. (2006). *Group cognition: Computer support for building collaborative knowledge*. Cambridge, MA: MIT Press. Available online at <http://www.cis.drexel.edu/faculty/gerry/mit/>.

Edited Books and Journal Issues

- Stahl, G. (Ed.). (in preparation). *Studying virtual math teams*. Available online at http://mathforum.org/vmtwiki/index.php/Studying_Virtual_Math_Teams.
- Stahl, G., & Hesse, F. (Eds.). (2007). *International Journal of Computer-Supported Collaborative Learning (ijCSCL)*, 2 (2). Retrieved from <http://ijcscl.org/?go=contents&volume=2&issue=2>.
- Stahl, G., & Hesse, F. (Eds.). (2007). *International Journal of Computer-Supported Collaborative Learning (ijCSCL)*, 2 (1). Retrieved from <http://ijcscl.org/?go=contents&volume=2&issue=1>.
- Stahl, G., & Hesse, F. (Eds.). (2006). *International Journal of Computer-Supported Collaborative Learning (ijCSCL)*, 1 (4). Retrieved from <http://ijcscl.org/?go=contents&volume=1&issue=4>.
- Stahl, G., & Hesse, F. (Eds.). (2006). *International Journal of Computer-Supported Collaborative Learning (ijCSCL)*, 1 (3). Retrieved from <http://ijcscl.org/?go=contents&volume=1&issue=3>.
- Stahl, G., & Hesse, F. (Eds.). (2006). *International Journal of Computer-Supported Collaborative Learning (ijCSCL)*, 1 (2). Retrieved from <http://ijcscl.org/?go=contents&volume=1&issue=2>.
- Stahl, G., & Hesse, F. (Eds.). (2006). *International Journal of Computer-Supported Collaborative Learning (ijCSCL)*, 1 (1). Retrieved from <http://ijcscl.org/?go=contents&volume=1&issue=1>.
- Rohde, M., Wulf, V., & Stahl, G. (Eds.) (2006). Special issue on: Computer support for learning communities. *Behavior and Information Technology (BIT)*. Available online at <http://www.cis.drexel.edu/faculty/gerry/pub/bit.pdf>.
- Klamma, R., Rohde, M., & Stahl, G. (Eds.) (2004). Special issue on: Community-based learning: Explorations into theoretical groundings, empirical findings and computer support. *SigGroup Bulletin*, 24 (4). Available online at <http://www.cis.drexel.edu/faculty/gerry/publications/journals/cbl.pdf>.

Stahl, G. (Ed.). (2002). *Computer support for collaborative learning: Foundations for a CSCL community*. Proceedings of CSCL 2002. January 7-11. Boulder, Colorado, USA. Hillsdale, NJ: Lawrence Erlbaum Associates Available online at <http://isls.org/cscl/cscl2002proceedings.pdf>.

Book Chapters

Stahl, G. (2007). Social practices of group cognition in virtual math teams. In S. Ludvigsen, Lund, A. & Säljö, R. (Ed.), *Learning in social practices. ICT and new artifacts - transformation of social and cultural practices*: Pergamon. Retrieved from <http://www.cis.drexel.edu/faculty/gerry/pub/cmc.pdf>.

Koschmann, T., Stahl, G., & Zemel, A. (2007). The video analyst's manifesto (or the implications of Garfinkel's policies for the development of a program of video analytic research within the learning sciences). In R. Goldman, R. Pea, B. Barron & S. Derry (Eds.), *Video research in the learning sciences*. Available online at <http://www.cis.drexel.edu/faculty/gerry/publications/journals/manifesto.pdf>.

Stahl, G. (2006). Scripting group cognition: The problem of guiding situated collaboration. In F. Fischer, H. Mandl, J. Haake & I. Kollar (Eds.), *Scripting computer-supported collaborative learning: Cognitive, computational and educational perspectives*. Dodrecht, Netherlands: Kluwer-Springer Verlag. Available online at <http://www.cis.drexel.edu/faculty/gerry/pub/scripting.pdf>.

Stahl, G. (2006). Preface: Engaging with engaged learning. In D. Hung & M. S. Khine (Eds.), *Engaged learning with emerging technologies* (pp. i-v). Boston: Springer. Available online at <http://www.cis.drexel.edu/faculty/gerry/publications/journals/Engagement.pdf>.

Stahl, G., Koschmann, T., & Suthers, D. (2006). Computer-supported collaborative learning: An historical perspective. In R. K. Sawyer (Ed.), *Cambridge handbook of the learning sciences*. Cambridge, UK: Cambridge University Press. Available online at http://www.cis.drexel.edu/faculty/gerry/cscl/CSCL_English.pdf in English, http://www.cis.drexel.edu/faculty/gerry/cscl/CSCL_Chinese_simplified.pdf in simplified Chinese, http://www.cis.drexel.edu/faculty/gerry/cscl/CSCL_Chinese_traditional.pdf in traditional Chinese, http://www.cis.drexel.edu/faculty/gerry/cscl/CSCL_Spanish.pdf in Spanish, http://www.cis.drexel.edu/faculty/gerry/cscl/CSCL_Portuguese.pdf in Portuguese, http://www.cis.drexel.edu/faculty/gerry/cscl/CSCL_German.pdf in German, http://www.cis.drexel.edu/faculty/gerry/cscl/CSCL_Romanian.pdf in Romanian.

Stahl, G. (2004). Building collaborative knowing: Elements of a social theory of CSCL. In J.-W. Strijbos, P. Kirschner & R. Martens (Eds.), *What we know about CSCL: And implementing it in higher education* (pp. 53-86). Boston, MA: Kluwer Academic Publishers. Available online at <http://www.cis.drexel.edu/faculty/gerry/cscl/papers/ch16.pdf>.

Stahl, G., & Carell, A. (2004). Kommunikationskonzepte [the role of communication concepts for CSCL pedagogy]. In J. Haake, G. Schwabe & M. Wessner (Eds.), *CSCL-Kompendium* (pp. 229-237). Frankfurt, Germany: Oldenburg. Available online at <http://www.cis.drexel.edu/faculty/gerry/publications/journals/rolle.pdf>.

Stahl, G. (2003). Meaning and interpretation in collaboration. In B. Wasson, S. Ludvigsen & U. Hoppe (Eds.), *Designing for change in networked learning environments: Proceedings of the international conference on computer support for collaborative learning (CSCL '03)* (pp. 523-532). Bergen, Norway: Kluwer Publishers. Available online at <http://www.cis.drexel.edu/faculty/gerry/cscl/papers/ch20.pdf>.

Stahl, G. (2003). Can shared knowledge exceed the sum of its parts? In R. V. J. DeRidder (Ed.), *Knowledge sharing under distributed circumstances* (pp. 85-88). Amsterdam, Netherlands: NWO-MES. Available online at <http://www.cis.drexel.edu/faculty/gerry/publications/conferences/2003/c&t>.

Stahl, G. (2002). Rediscovering CSCL. In T. Koschmann, R. Hall & N. Miyake (Eds.), *CSCL 2: Carrying forward the conversation* (pp. 169-181). Hillsdale, NJ: Lawrence Erlbaum Associates. Available online at <http://www.cis.drexel.edu/faculty/gerry/cscl/papers/ch01.pdf>.

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- Stahl, G., & Herrmann, T. (1998). *Verschrankung von perspektiven durch aushandlung* (in German; translated by G. Stahl as: The sharing of perspectives by means of negotiation). Paper presented at the Interaktion in Web: Innovative Kommunikationsformen, Marburg, Germany. Proceedings pp. 95-112. Available online at <http://www.cis.drexel.edu/faculty/gerry/publications/conferences/1998/verschrankung/index.html> and <http://www.cis.drexel.edu/faculty/gerry/publications/conferences/1998/sharing/sharing.html>.
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- Koschmann, T., & Stahl, G. (1998). *Learning issues in problem-based learning: Situating collaborative information seeking*. Workshop on technologies for collaborative information seeking. Paper presented at the ACM Conference on Computer Supported Cooperative Work (CSCW 98), Seattle, WA. Available online at http://www.cis.drexel.edu/faculty/gerry/publications/conferences/1998/cscw98/cscw_workshop.html
- Stahl, G., Sumner, T., & Repenning, A. (1995). *Internet repositories for collaborative learning: Supporting both students and teachers*. Paper presented at the International Conference on Computer Support for Collaborative Learning (CSCL '95), Bloomington, Indiana. Proceedings pp. 321-328. Available online at <http://www.cis.drexel.edu/faculty/gerry/cscl/papers/ch06.pdf>.

- Stahl, G. (1993). *Supporting situated interpretation*. Paper presented at the Annual Meeting of the Cognitive Science Society (CogSci '93), Boulder, CO. Proceedings pp. 965-970. Available online at <http://www.cis.drexel.edu/faculty/gerry/cscl/papers/ch13.pdf>.
- Fischer, G., Nakakoji, K., Ostwald, J., Stahl, G., & Sumner, T. (1993). *Embedding computer-based critics in the contexts of design*. Paper presented at the Conference on Human Factors in Computing Systems (INTERCHI '93), Amsterdam, NL. Proceedings pp. 157-164. Available online at <http://www.cis.drexel.edu/faculty/gerry/publications/conferences/1990-1997/chi93/CHI93.html>.
- Stahl, G., McCall, R., & Peper, G. (1992). *Extending hypermedia with an inference language: An alternative to rule-based expert systems*. Paper presented at the IBM ITL Conference: Expert Systems, Yorktown Heights, NY. Proceedings pp. 160-167. Available online at <http://www.cis.drexel.edu/faculty/gerry/publications/conferences/1990-1997/ibm92/ExtHyper.html>.

Peer-reviewed Conference Posters, Workshops, Panels & Demos

- Stahl, G. (2007). *Chat Analysis in Virtual Math Teams*. Workshop presented at the International Conference of Computer-Supported Collaborative Learning (CSCL 2007), New Brunswick, NJ. Available online at http://vmt.mathforum.org/vmtwiki/index.php/Chat_Analysis_Workshop.
- Stahl, G. & Hesse, F. (2007). *Making use of productive tensions in CSCL*. Invited Panel presented at the International Conference of Computer-Supported Collaborative Learning (CSCL 2007), New Brunswick, NJ. Available online at <http://mathforum.org/wiki/VMT?MethodologySymposium>.
- Renninger, K. A., Stahl, G., Suthers, D., Marlino, M., Weimar, S., Derry, S., et al. (2006). *Studying engaged learning in online communities*. Workshop presented at the International Conference of the Learning Sciences (ICLS 2006), Bloomington, IN. Available online at <http://www.cis.drexel.edu/faculty/gerry/pub/icls2006eloc.pdf>.
- Stahl, G. (2006). *Meaning making in small groups*. Paper presented at the Interactive Symposium on "Engaged learning in online communities: Forging a research agenda" at the Annual Meeting of the American Educational Research Association (AERA 2006), San Francisco, CA. Available online at <http://www.cis.drexel.edu/faculty/gerry/pub/aera2006.pdf>.
- Stahl, G., & Zemel, A. (2006). *Interaction & learning in chat environments: A workshop with data sessions* presented at the International Conference of the Learning Sciences (ICLS 2006), Bloomington, IN. Available online at <http://www.cis.drexel.edu/faculty/gerry/pub/icls2006chat.pdf>.
- Stahl, G. (2005). *Measurement challenges for collaborative learning research: Discussant*. Paper presented at the Eleventh Biannual Conference of the European Association for Research in Learning and Instruction (EARLI 2005), Nicosia, Cyprus. Available online at <http://www.cis.drexel.edu/faculty/gerry/pub/earli2005discuss.pdf> & <http://www.cis.drexel.edu/faculty/gerry/pub/earli2005discussppt.pdf>.
- Stahl, G., Weimar, S., Shumar, W., Cakir, M., Sarmiento, J., Toledo, R., et al. (2005). Virtual Math Teams; quantitative analysis of interaction patterns in chat; conversation analysis of problem-solving methods in chat; designing software to support collaborative Math learning [four posters]. Paper presented at the international conference on Computer Support for Collaborative Learning (CSCL 2005), Taipei, Taiwan. Available online at <http://www.cis.drexel.edu/faculty/gerry/pub/csclp1.pdf> & <http://www.cis.drexel.edu/faculty/gerry/pub/csclp2.pdf> & <http://www.cis.drexel.edu/faculty/gerry/pub/csclp3.pdf> & <http://www.cis.drexel.edu/faculty/gerry/pub/csclp4.pdf>.
- Klamma, R., Rohde, M., Stahl, G., & Wulf, V. (2004). Community-based learning workshop: Explorations into theoretical groundings, empirical findings and computer support [workshop]. Paper presented at the Sixth International Conference of the Learning Sciences (ICLS '04), Los Angeles, CA. Available online at http://www.cis.drexel.edu/faculty/gerry/icls_learning_workshop.pdf.
- Stahl, G. (2004). Collaborating with relational references [contribution to the workshop on representational support for knowledge building discourse]. Paper presented at the Annual Meeting of the American Educational Research Association (AERA 04), San Diego, CA. Available online at <http://www.cis.drexel.edu/faculty/gerry/publications/conferences/2004/aera.pdf>.
- Stahl, G., Shumar, W., & Weimar, S. (2004). *Diversity in virtual math teams [poster]*. Paper presented at the Sixth International Conference of the Learning Sciences (ICLS '04), Los Angeles, CA. Available online at <http://www.cis.drexel.edu/faculty/gerry/pub/icls2004poster.pdf>.

- Kirschner, P., Kreijns, K., Jarvela, S., Derks, R., Tu, C.-H., & Stahl, G. (2003). *Is computer supported collaborative learning asocial? [panel]*. Paper presented at the International Conference on Computer Support for Collaborative Learning (CSCL 2003), Bergen, Norway.
- Stahl, G. (2003). *VMT: The virtual Math Teams project [poster]*. Paper presented at the NSF NSDL Annual Project Meeting, Washington, DC. Available online at http://www.cis.drexel.edu/faculty/gerry/vmt/VMT_poster.pdf.
- Stahl, G. (2002). *The complexity of a collaborative interaction [poster]*. Paper presented at the International Conference of the Learning Sciences (ICLS '02), Seattle, WA. Available online at <http://www.cis.drexel.edu/faculty/gerry/cscl/papers/ch02.pdf>.
- Stahl, G. (1999). *WebGuide: Computational perspectives for learning communities [demo]*. Paper presented at the Annual conference of the Center for Innovative Learning Technologies (CILT '99), San Jose, CA. Available online at <http://www.cis.drexel.edu/faculty/gerry/publications/conferences/1999/cilt99/index.html>.
- Stahl, G., Koschmann, T., & Scardamalia, M. (1999). *Collaborating on the design and assessment of knowledge-building environments in the 2000's [workshop]*. Paper presented at the Computer Support for Collaborative Learning (CSCL '99), Stanford, CA. Available online at http://www.cis.drexel.edu/faculty/gerry/publications/conferences/1999/csc199/csc199_workshop.html
- Koschmann, T., Ostwald, J., & Stahl, G. (1998). *Shouldn't we really be studying practice? [panel position paper]*. Paper presented at the International Conference on the Learning Sciences (ICLS '98), Atlanta, GA. Available online at http://www.cis.drexel.edu/faculty/gerry/publications/conferences/1998/icls98/ICLS_Workshop.html.
- Koschmann, T., & Stahl, G. (1998). Learning issues in problem-based learning: Situating collaborative information seeking. Workshop on technologies for collaborative information seeking [workshop position paper]. Paper presented at the ACM Conference on Computer Supported Cooperative Work (CSCW 98), Seattle, WA. Available online at http://www.cis.drexel.edu/faculty/gerry/publications/conferences/1998/cscw98/cscw_workshop.html
- Stahl, G. (1998). *Presentation of WebGuide*. Paper presented at the Annual conference of the Center for Innovative Learning Technologies (CILT '98), San Jose, CA.
- Stahl, G., & dePaula, R. (1998). *Learning perspectives [poster]*. Paper presented at the International Conference on the Learning Sciences (ICLS'98), Atlanta, GA. Available online at <http://www.cis.drexel.edu/faculty/gerry/publications/conferences/1998/icls98/icls98.html>.
- Stahl, G., Hermann, T., dePaula, R., & Loser, K.-U. (1998). *WebGuide: Guiding cooperative work on the Web with support for perspectives and negotiation [demo]*. Paper presented at the Computer Supported Cooperative Work (CSCW '98), Seattle, WA. Available online at http://www.cis.drexel.edu/faculty/gerry/publications/conferences/1998/cscw98/cscw_demo.html.
- Stahl, G. (1997). *WebGuide [poster]*. Paper presented at the International Conference on Computer Support for Collaborative Learning (CSCL '97), Toronto, Canada.

Technical Reports

- Stahl, G. (2005). *Reflections on supporting and studying collaborative team formation in post-cardiac surgery care*. Philadelphia, PA: College of Information Science & Technology, Drexel University. Available online at <http://www.cis.drexel.edu/faculty/gerry/pub/collabcare.pdf>.
- Stahl, G. (1996). *Personalizing the Web* (No. CU-CS-836-96). Boulder, CO: Department of Computer Science, University of Colorado. Available online at <http://www.cis.drexel.edu/faculty/gerry/publications/techreports/www6/PAPER82.html>.
- Stahl, G. (1996). *Supporting interpretation in design* (No. CU-CS-598-92). Boulder, CO: Department of Computer Science, University of Colorado. Available online at <http://www.cis.drexel.edu/faculty/gerry/publications/techreports/design/Design.tr.html>.
- Stahl, G. (1995). *Supporting personalizable learning* (No. CU-CS-788-95). Boulder, CO: Department of Computer Science, University of Colorado. Available online at <http://www.cis.drexel.edu/faculty/gerry/publications/techreports/personalize/>.

- Stahl, G. (1992). *A computational medium for supporting interpretation in design* (No. CU-CS-598-92). Boulder, CO: Department of Computer Science, University of Colorado. Available online at <http://www.cis.drexel.edu/faculty/gerry/publications/techreports/design/Design.tr.html>.
- Stahl, G. (1992). *Toward a theory of hermeneutic software design: Dissertation proposal* (No. CU-CS-589-92). Boulder, CO: Department of Computer Science, University of Colorado. Available online at <http://www.cis.drexel.edu/faculty/gerry/publications/dissertations/Proposal.html>.
- Stahl, G. (1991). *A hypermedia inference language as an alternative to rule-based systems* (No. CU-CS-557-91). Boulder, CO: Department of Computer Science, University of Colorado. Available online at <http://www.cis.drexel.edu/faculty/gerry/publications/conferences/1990-1997/ibm92/InfLang.html>

Community Service

- *International Journal of Computer-Supported Collaborative Learning* (ijCSCL)
 - Founding Executive Editor 2004 – present
- International Society of the Learning Sciences (ISLS), 2002-present
 - Board of Directors, ex officio 2005-present
 - Web & Communications Committee Chair 2002-2005
 - Founding Board 2002-2003
 - Founding Committee 2002
- The CSCL Community of ISLS
 - Executive Board member, 2003-present
 - Founding Steering Committee member, 2002
- *European Journal of School Psychology* (EJSP)
 - Advisory Board 2001 - present
- *Journal of Interactive Media in Education* (JIME)
 - Editorial Board 2000 - 2007
- Computer Support for Collaborative Learning (CSCL'09), Rhodes, Greece, June 2009
 - Program Committee
 - Workshops Chair
- International Conference of the Learning Sciences (ICLS '08), Utrecht, Netherlands, June 2008
 - Scientific Program Committee
- International Conference on Computers in Education (ICCE '07), Hiroshima, Japan, Nov 2007
 - Program Committee
- Computer Support for Collaborative Learning (CSCL'07), New Brunswick, NJ, June 2007
 - Program Committee
 - Steering Committee
 - Workshops Chair
- International Conference on Computers in Education (ICCE '06), Beijing, China, Nov 2006
 - Program Committee
 - Workshops Co-Chair
- International Conference on Computers in Education (ICCE '05), Singapore, Nov 28-Dec 2, 2005
 - Program Committee
 - Doctoral Consortium Faculty
- Conference on Learning in Communities, State College, PA, Aug 15-17, 2005
 - Program Committee

- Computer Support for Collaborative Learning (CSCL '05), Taipei, Taiwan, June 2005
 - Program Committee
 - Steering Committee
 - Workshops Chair
- International Workshop on Groupware (CRIWG '04), San Jose, Costa Rico, September 2004
 - Program Committee
- International Conference of the Learning Sciences (ICLS '04), Santa Monica, California, June 2004
 - Program Committee
- Communities & Technology Conference (C&T '03), Amsterdam, Netherlands, August 2003
 - Program Committee
- Computer Support for Collaborative Learning (CSCL '03), Bergen, Norway, June 2003
 - Program Committee
 - Steering Committee
 - Workshops Co-chair
- International Conference of the Learning Sciences (ICLS '02), Seattle, Washington, October 2002
 - Program Committee
- International Workshop on Groupware (CRIWG '02), La Serena, Chile, September 2002
 - Program Committee
 - Doctoral Consortium Faculty
- Computer Support for Collaborative Learning (CSCL '02), Boulder, Colorado, January 2002
 - Program Chair
 - Program Committee
 - Steering Committee
 - Proceedings Editor
- International Conference on Groupware (Group '01), Boulder, Colorado, October 2001
 - Local Arrangements Chair
- International Workshop on Groupware (CRIWG '01), Darmstadt, Germany, September 2001
 - Doctoral Consortium Faculty

Service at IST/Drexel

- Faculty committee on Curriculum (2005/06 & 2006/07)
- Faculty committee on College Strategic Futures (2004/05 & 2006/07)
- Organize the Research & Teaching lecture series (2003/04)
- Faculty committee on the Doctoral Program (2002/03)

Honors

- **Best Paper at ICCE 2005:** Stahl, G. (2005). *Sustaining online collaborative problem solving with math proposals*. Paper presented at the International Conference on Computers and Education, Singapore, Singapore. Proceedings pp. 436-443.
- **Opening Keynote at CRIWG 2005:** Stahl, G. (2005). *Groups, group cognition and groupware*. Presented at the Eleventh International Workshop on Groupware, Recife, Brazil. Proceedings pp. 1-16.

- **Opening Keynote at DeLFI 2003:** Stahl, G. (2003). *The future of computer support for learning: An American/German Delfic vision*. Presented at the First Conference on e-Learning of the German Computer Science Society, Munich, Germany. Proceedings pp. 13-16.
- **Million Dollar Club at Drexel University 2003:** Grantsmanship award for NSF NSDL and IERI grants totaling \$2,750,000 awarded in first year at Drexel.
- **First Prize at Drexel/IST Research Day 2005 and 2006 and 2007.** Set of four posters on VMT Project each year.

Scientific Advisory Committees

- **Knowledge Media Research Centre (KMRC)**, Tübingen, Germany: Scientific Advisory Board Consultant (March 2006 – present)
- **Knowledge Practices Lab (K-P Lab)**, Centre for Networked Learning and Knowledge Building, University of Helsinki, Finland: International Advisory Board Scientific Consultant (February 2006 – present)
- **Learning Sciences Lab**, National Institute of Education (NIE), Nanyang Technological University, Singapore: International Advisory Board (December 2005 – present)
- **Collaborative Cardiac Surgery Research Project**, Hospital of the University of Cincinnati, Cincinnati, OH: Interdisciplinary Research Team (February 2004 – 2006)

Visiting Researchers

- **University of Bergen** (Bergen, Norway): Weiqin Chen (February 1, 2007 – December 31, 2007)
- **Visiting Researcher** (Montreal, Canada): Elizabeth Charles (October 1, 2005 – March 1, 2006)
- **Post-Doc** (Philadelphia, USA): Alan Zemel (October 1, 2004 – October 1, 2006)
- **Fraunhofer Gesellschaft IPSI** (Darmstadt, Germany): Martin Mühlpfordt (June 1 – September 1, 2006)
- **Fraunhofer Gesellschaft IPSI** (Darmstadt, Germany): Martin Wessner (June 15 – September 15, 2005)
- **Politechnica University** (Bucharest, Romania): Stefan Trausan-Matu (February 1 - August 1, 2005)
- **Open University of Catalonia** (Barcelona, Spain): Fatos Xhafa (September 1, 2004 – February 27, 2005)
- **Open University of the Netherlands** (Heerlen, Netherlands): Jan-Willem Strijbos (February 1 – June 30, 2004)

PhD Students

- **Drexel University** (Philadelphia, PA): Murat Cakir (chair), Joel Eden, Ilene Litz Goldman, Trish Grieb-Neff, Yolanda Jones, Wanda Kunkle, Deb LaBelle, Debra McGrath, Peter Miller, Eric Poole, Johann Sarmiento (chair), Ramon Toledo (chair), James Waters, Nan Zhou (chair)
- **Fraunhofer Gesellschaft IPSI** (Germany): Martin Mühlpfordt
- **University of Bergen** (Norway): Frode Guribye
- **Open University of the Netherlands** (Netherlands): Jan-Willem Strijbos
- **University of Chile** (Chile): Cesar Alberto Collazos
- **University of Dortmund** (Germany): Andrea Kienle
- **University of Colorado** (Boulder, CO): Rogerio dePaula, Elizabeth Lenell, Alena Sanusi, David Steinhart

Courses Taught

- INFO 780 **Computer-Supported Collaborative Learning**, graduate level (Spring 2004/05, Spring 2003/04)
- INFO 610 **Analysis of Interactive Systems**, graduate level (Winter 2003/04)
- INFO 608 **Human-Computer Interaction**, graduate level (Winter 2004/05, Spring 2002/03)
- INFO 608 **Human-Computer Interaction**, online (Spring 2006/07, Winter 2002/03, Fall 2002/03)
- INFO 310 **Human-Computer Interaction**, junior/senior level (Winter 2006/07, Spring 2005/06, Winter 2004/05, Winter 2003/04, Spring 2002/03)
- INFO 110 **Human-Computer Interaction**, freshman/sophomore level (Winter 2005/06)
- **Data Analysis Seminar**, 12 quarters
- **Independent Study**, 34 student-quarters
- **Research Experience**, 62 student-quarters

- **Topics in CSCL**, Fall 2000, University of Colorado
- **Research in CSCL**, Fall 1999, University of Colorado
- **Readings in CSCL**, Spring 1999, University of Colorado

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and in pdf format for printing at <http://www.cis.drexel.edu/faculty/gerry/resume.pdf>

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