References

Ackerman, M. S., & McDonald, D. W. (1996). *Answer garden 2: Merging organizational memory with collaborative help.* Paper presented at the CSCW '96, Boston, MA. Proceedings pp. 97-105.

Adorno, T. W., & Horkheimer, M. (1945). *The dialectic of enlightenment* (J. Cumming, Trans.). New York, NY: Continuum.

Adorno, T. W. (1958). Der essay als form (the essay as form -- in German). In *Noten zur literatur I* (pp. 9-48). Frankfurt am Main, Germany: Suhrkamp.

Adorno, T. W. (1958/1984). The essay as form. *New German Critique, 32* (2), 151-171.

Adorno, T. W. (1964/1973). *The jargon of authenticity*. Evanston, IL: Northwestern U. Press.

Adorno, T. W. (1967). *Prisms* (S. S. Weber, Trans.). Letchworth, UK: Neville Spearman.

Alexander, C. (1964). *Notes on the synthesis of form*. Cambridge, MA: Harvard University Press.

Ambach, P., Perrone, C., & Reppening, A. (1995). Remote exploratoriums: Combining networking media and design environments to support engaged learning. *Computers & Education, 24* (3).

American Astronomical Society. (1966). *Stepping stones to Mars meeting*: American Institute of Aeronautics and Astronautics.

Appelt, W. (1999). *WWW-based collaboration with the BSCW system.* Paper presented at the SOFSEM '99, Springer Lecture Notes in Computer Science 1725, Milovy, Czech Republic. Proceedings pp. 66-78.

Appelt, W., & Klöckner, K. (1999). *Flexible workgroup cooperation based on shared workspaces.* Paper presented at the World Multiconference on Systems, Cybernetics and Informatics: SCI '99 and ISAS '99 (5th International Conference on Information Systems Analysis and Synthesis), Orlando, FL. Proceedings pp. 34-39.

Argyris, C., & Schön, D. A. (1978). *Organizational learning: A theory of action perspective*. Reading, MA: Addison-Wesley.

Austin, J. (1952). *How to do things with words*. Boston, MA: Harvard University Press.

Baker, M., Hansen, T., Joiner, R., & Traum, D. (1999). The role of grounding in collaborative learning tasks. In P. Dillenbourg (Ed.), *Collaborative learning: Cognitive and computational approaches* (pp. 31-63). Oxford, UK: Pergamon.

Bakhtin, M. (1986a). *Speech genres and other late essays* (V. McGee, Trans.). Austin, TX: University of Texas Press.

Bakhtin, M. M. (1986b). The problem of speech genres (V. McGee, Trans.). In C. Emerson & M. Holquist (Eds.), *Speech genres and other late essays* (pp. 60-102). Austin, TX: University of Texas Press.

Barrows, H. (1994). *Practice-based learning: Problem-based learning applied to medical education*. Springfield, IL: SIU School of Medicine.

Bauersfeld, H. (1995). "language games" in the mathematics classroom: Their function and their effects. In P. C. H. Bauersfeld (Ed.), *The emergence of mathematical meaning: Interaction in classroom cultures* (pp. 271-289). Hillsdale, NJ: Lawrence Erlbaum Associates.

Benjamin, W. (1936/1969). The work of art in the age of mechanical reproduction (H. Zohn, Trans.). In H. Arendt (Ed.), *Illuminations* (pp. 217-251). New York, NY: Schocken Books.

Bereiter, C. (2002). *Education and mind in the knowledge age*. Hillsdale, NJ: Lawrence Erlbaum Associates.

Birdwhistell, R. (1970). *Kinesics and context*. Philadelphia, PA: University of Pennsylvania Press.

Blumenfeld, P., Soloway, E., Marx, R., Krajcik, J., Guzdial, M., & Palincsar, A. (1991). Motivating project-based learning: Sustaining the doing, supporting the learning. *Educational Psychologist, 26*, 369-398.

Blumer, H. (1969). *Symbolic interactionism: Perspective and method*. Berkeley, CA: University of California Press.

Boland, R. J., & Tenkasi, R. V. (1995). Perspective making and perspective taking in communities of knowing. *Organization Science, 6* (4), 350-372.

Borghoff, U., & Parechi, R. (1998). *Information technology for knowledge management*. Berlin, Germany: Springer Verlag.

Bourdieu, P. (1972/1995). *Outline of a theory of practice* (R. Nice, Trans.). Cambridge, UK: Cambridge University Press.

Bowker, G. C., & Star, S. L. (2000). *Sorting things out: Classification and its consequences (inside technology)*. Cambridge, MA: MIT Press.

Brown, A., & Campione, J. (1994). Guided discovery in a community of learners. In K. McGilly (Ed.), *Classroom lessons: Integrating cognitive theory and classroom practice* (pp. 229-270). Cambridge, MA: MIT Press.

Brown, J. S., & Duguid, P. (1991). Organizational learning and communities-of-practice: Toward a unified view of working, learning, and innovation. *Organization Science, 2* (1), 40-57.

Bruner, J. (1990). *Acts of meaning*. Cambridge, MA: Harvard University Press.

Buckingham Shum, S., & Hammond, N. (1994). Argumentation-based design rationale: What use at what cost? *International Journal of Human-Computer Studies, 40* (4), 603-652.

Buckingham Shum, S. (1998). Negotiating the construction of organizational memories. In U. Borghoff & R. Parechi (Eds.), *Information technology for knowledge management* (pp. 55-78). Berlin, Germany: Springer Verlag.

Bush, V. (1945). As we may think. *Atlantic Monthly, 176* (1), 101-108.

Caron, J. (1998). *Wide area collaboration: A proposed application.* Paper presented at the Computer Supported Collaborative Work (CSCW 98), Seattle, WA.

Chomsky, N. (1969). *Aspects of a theory of syntax*. Cambridge, MA: MIT Press.

Clark, H., & Brennan, S. (1991). Grounding in communication. In L. Resnick, J. Levine & S. Teasley (Eds.), *Perspectives on socially-shared cognition* (pp. 127-149). Washington, DC: APA.

Cobb, P. (1995). Mathematical learning and small-group interaction: Four case studies. In P. C. H. Bauersfeld (Ed.), *The emergence of mathematical meaning: Interaction in classroom cultures* (pp. 25-129). Mahwah, NJ: Lawrence Erlbaum Associates.

Cohen, E. G., Lotan, R. A., Abram, P. L., Scarloss, B. A., & Schultz, S. E. (2002). Can groups learn? *Teachers College Record, 104* (6), 1045-1068.

Cole, M. (1996). *Cultural psychology*. Cambridge, MA: Harvard University Press.

Collins, A., & Stevens, A. R. (1983). Goals and strategies of inquiry teachers. In R. Glaser (Ed.), *Advances in instructional psychology*. Hillsdale, NJ: Lawrence Erlbaum Associates.

Collins, D. (1985). *Psychological issues relevant to astronaut selection for long duration spaceflight: A review of the literature*. Texas: USAF Systems Command. Brooks Air Force Base.

Connolly, T. (1997). Electronic brainstorming: Science meets technology in the group meeting room. In S. Kiesler (Ed.), *Culture of the internet* (pp. 263-276). Hillsdale, NJ: Lawrence Erlbaum Associates.

Cox, E. (1994). *The fuzzy systems handbook*. Boston, MA: Academic Press.

Crook, C. (1994). *Computers and the collaborative experience of learning*. London, UK: Routledge.

de Saussure, F. (1959). *Course in general linguistics* (W. Baskin, Trans.). New York, NY: Philosophical Library.

Dennett, D. C. (1991). *Consciousness explained*. Boston, MA: Little Brown and Company.

dePaula, R. (1998). *Computer support for collaborative learning: Understanding practices and technology adoption.* Unpublished Masters Thesis, Telecommunications Department, University of Colorado, Boulder, CO.

Derrida, J. (1968/1984). Differánce. In *Margins of philosophy* (pp. 1-28). Chicago, IL: University of Chicago.

Descartes, R. (1633/1999). *Discourse on method and meditations on first philosophy*. New York, NY: Hackett.

Design-Based Research Collective. (2003). Design-based research: An emerging paradigm for educational inquiry. *Educational Researcher, 32* (1), 5-8.

Dewey, J. (1938/1991). Logic: The theory of inquiry. In J. A. Boydston (Ed.), *John Dewey: The later works, 1925-1953* (Vol. 12, pp. 1-5). Carbondale, IL: Southern Illinois University Press.

Dewey, J., & Bentley, A. (1949/1991). Knowing and the known. In J. A. Boydston (Ed.), *John Dewey: The later works, 1925-1953* (Vol. 16). Carbondale, IL: SIU Press.

Dillenbourg, P. (1999). What do you mean by 'collaborative learning'? In P. Dillenbourg (Ed.), *Collaborative learning: Cognitive and computational approaches* (pp. 1-16). Amsterdam, NL: Pergamon, Elsevier Science.

Donald, M. (1991). *Origins of the modern mind: Three stages in the evolution of culture and cognition*. Cambridge, MA: Harvard University Press.

Donath, J., Karahalios, K., & Viegas, F. (1999). Visualizing conversation. *Journal of Computer Mediated Communication, 4* (4). Retrieved from http://www.ascusc.org/jcmc/vol4/issue4/donath.html.

Dourish, P. (2001). *Where the action is: The foundations of embodied interaction*. Cambridge, MA: MIT Press.

Dreyfus, H. (1972). *What computers cannot do*. New York, NY: Harper and Row.

Dreyfus, H., & Dreyfus, S. (1986). *Mind over machine: The power of human intuition and expertise in the era of the computer*. New York, NY: Free Press.

Dreyfus, H. (1991). *Being-in-the-World: A commentary on Heidegger's Being and time, division I*. Cambridge, MA: MIT Press.

Dreyfus, H. (1992). *What computers still can't do: A critique of artificial reason*. Cambridge, MA: MIT Press.

Duranti, A. (1998). *Linguistic anthropology*. Cambridge, UK: Cambridge University Press.

Ehn, P. (1988). *Work-oriented design of computer artifacts*. Stockholm, Sweden: Arbetslivscentrum.

Engeström, Y. (1999). Activity theory and individual and social transformation. In Y. Engeström, R. Miettinen & R.-L. Punamäki (Eds.), *Perspectives on activity theory* (pp. 19-38). Cambridge, UK: Cambridge University Press.

Engeström, Y., Engeström, R., & Vähäaho, T. (1999). When the center does not hold: The importance of knotworking. In S. Chaiklin, M. Hedegaard & U. J. Jensen (Eds.), *Activity theory and social practice: Cultural-historical approaches* (pp. 345-374). Aarhus, Denmark: Aarhus University Press.

Engeström, Y., Miettinen, R., & Punamäki, R.-L. (Eds.). (1999). *Perspectives on activity theory*. New York, NY: Cambridge University Press.

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. Retrieved from http://www.cis.drexel.edu/faculty/gerry/publications/conferences/1990-1997/chi93/CHI93.html.

Fischer, G. (1994). Domain-oriented design environments. *Automated Software Engineering, 1* (2), 177-203.

Fischer, G., Lemke, A. C., McCall, R., & Morch, A. (1996). Making argumentation serve design. In T. Moran & J. Carrol (Eds.), *Design rationale: Concepts, techniques, and use* (pp. 267-293). Mahwah, NJ: Lawrence Erlbaum and Associates.

Fischer, G., Nakakoji, K., Ostwald, J., Stahl, G., & Sumner, T. (1998). Embedding critics in design environments. In M. T. Maybury & W. Wahlster (Eds.), *Readings in intelligent user interfaces* (pp. 537-561). New York: Morgan Kaufman. Retrieved from http://www.cis.drexel.edu/faculty/gerry/publications/journals/ker/index.html.

Fischer, G., Grudin, J., McCall, R., Ostwald, J., Redmiles, D., Reeves, B., et al. (1999). Seeding, evolutionary growth and reseeding: The incremental development of collaborative design environments. In G. M. Olson, T. W. Malone & J. B. Smith (Eds.), *Coordination theory and collaboration technology* (pp. in press). Mahwah, NJ: Lawrence Erlbaum Associates.

Fischer, K., & Granoo, N. (1995). Beyond one-dimensional change: Parallel, concurrent, socially distributed processes in learning and development. *Human Development, 1995* (38), 302-314.

Floyd, C. (1992). Software development and reality construction. In C. Floyd, H. Zuellinghoven, R. Budde & R. Keil-Slawik (Eds.), *Software development and reality construction* (pp. 86-100). Berlin, Germany: Springer Verlag.

Floyd, C., Zuellinghoven, H., Budde, R., & Keil-Slawik, R. (1994). *Software development and reality construction*. Berlin, Germany: Springer Verlag.

Freire, P. (1970). *Pedagogy of the oppressed*. New York, NY: Continuum.

Fu, M. C., Hayes, C. C., & East, E. W. (1997). Sedar: Expert critiquing system for flat and low-slope roof design and review. *Journal of COmputing in Civil Engineering, 11* (1), 60-68.

Furnas, G. W., Landauer, T. K., Gomez, L. M., & Dumais, S. T. (1987). The vocabulary problem in human-system communication. *Communications of the ACM, 30* (11), 964-971.

Gadamer, H.-G. (1960/1988). *Truth and method*. New York, NY: Crossroads.

Garcia, A., & Jacobs, J. B. (1998). The interactional organization of computer mediated communication in the college classroom. *Qualitative Sociology, 21* (3), 299-317.

Garcia, A., & Jacobs, J. B. (1999). The eyes of the beholder: Understanding the turn-taking system in quasi-synchronous computer-mediated communication. *Research on Language and Social Interaction, 34* (4), 337-367.

Garfinkel, H. (1967). *Studies in ethnomethodology*. Englewood Cliffs, NJ: Prentice-Hall.

Garfinkel, H. (2002). *Ethnomethodology's program: Working out Durkheim's aphorism*. Lanham, MD: Rowman & Littlefield.

Geertz, C. (1973). *The interpretation of cultures*. New York, NY: Basic Books.

Gerosa, M., Fuks, H., & de Lucena, C. (2001). *Use of categorization and structuring of messages in order to organize the discussion and reduce information overload in asynchronous textual communication tools.* Paper presented at the CRIWG 2001, Darmstadt, Germany.

Gibson, J. J. (1979). *The ecological approach to visual perception*. Boston, MA: Houghton Mifflin.

Giddens, A. (1984a). Elements of the theory of structuration. In *The constitution of society* (pp. 1-40): U of California Press.

Giddens, A. (1984b). *The constitution of society*. Berkeley, CA: U of California Press.

Goldman-Segall, R. (1998). *Points of viewing children's thinking*. Mahwah, NJ: Lawrence Erlbaum Associates.

Goodwin, C., & Goodwin, M. H. (1994). Professional vision. *American Anthropologist, 96* (3), 606-633.

Greenbaum, J., & Kyng, M. (1991). *Design at work: Cooperative design of computer systems*. Hillsdale, NJ: Lawrence Erlbaum.

Greeno, J. (1993). For research to reform education and cognitive science. In L. Penner, Batsche, G., Knoff, H., Nelson, D. (Ed.), *The challenge in mathematics and science education: Psychology's response*. New York, NY: APA Press.

Grudin, J. (1990). *Why CSCW applications fail: Problems in design and evaluation.* Paper presented at the CSCW '90, Los Angeles, CA. Proceedings pp. 85-93.

Guzdial, M., & Turns, J. (2000). Sustaining discussion through a computer-mediated anchored discussion forum. *Journal of the Learning Sciences*.

Habermas, J. (1965/1971). Knowledge and human interests. In *Knowledge and human interests*. Boston. MA: Beacon Press.

Habermas, J. (1971). Labor and interaction: Remarks on Hegel's Jena philosophy of mind. In *Theory and practice* (pp. 142-169). Boston, MA: Beacon Press.

Habermas, J. (1981/1984). *Reason and the rationalization of society* (T. McCarthy, Trans. Vol. One). Boston, MA: Beacon Press.

Hakkarainen, K., & Sintonen, M. (2001). The interrogative model of inquiry and computer-supported collaborative learning. *Science & Education, in press*.

Hall, R., & Stevens, R. (1995). Making space: A comparison of mathematical work in school and professional design practices. In S. L. Star (Ed.), *The cultures of computing*. Oxford, UK: Blackwell Publishers.

Hall, R. (2000). *Work at the interface between representing and represented worlds in middle school mathematics design projects.* Paper presented at the Twenty-Second Annual Conference of the Cognitive Science Society (Cog Sci 2000). Proceedings pp. 675-680.

Halliday, M. A. K. (1985). *An introduction to functional grammar*. London: Edward Arnold.

Harre, R., & Gillet, G. (1999). *The discursive mind*. London, UK: Sage.

Harrison, A., Clearwater, Y., & C., M. (1991). From Antarctica to outer space: Life in isolation and confinement. *Behavioral Science, 34*, 253-271.

Hatano, G., & Inagaki, K. (1991). Sharing cognition through collective comprehension activity. In L. Resnick, J. Levine & S. Teasley (Eds.), *Perspectives on socially-shared cognition* (pp. 331-348). Washington, DC: APA.

Heath, C. (1986). Video analysis: Interactional coordination in movement and speech. In *Body movement and speech in medical interaction* (pp. 1-24). Cambridge, UK: Cambridge University Press.

Hegel, G. W. F. (1807/1967). *Phenomenology of spirit* (J. B. Baillie, Trans.). New York, NY: Harper & Row.

Heidegger, M. (1927/1996). *Being and time: A translation of Sein und Zeit* (J. Stambaugh, Trans.). Albany, NY: SUNY Press.

Heidegger, M. (1935/1964). The origin of the work of art (A. Hofstadter, Trans.). In A. Hofstadter & R. Kuhns (Eds.), *Philosophies of art and beauty* (pp. 647-701). New York, NY: Modern Library.

Heidegger, M. (1935/2003). Der Ursprung des Kunstwerkes. In M. Heidegger (Ed.), *Holzwege*. Frankfurt a. M., Germany: Klostermann.

Heidegger, M. (1950/1967). Das Ding. In *Vorträge und Aufsätze II* (pp. 37-60). Pfullingen, Germany: Neske.

Heidegger, M. (1951/1967). Bauen Wohnen Denken. In *Vorträge und Aufsätze II* (pp. 19-36). Pfullingen, Germany: Neske.

Heidegger, M. (1953/1967). Die Frage nach der Technik. In *Vorträge und Aufsätze I* (pp. 5-36). Pfullingen, Germany: Neske.

Heidegger, M. (1959/1971). *On the way to language*. New York, NY: Harper & Row.

Heidegger, M. (1969). *Raum und Kunst*. St. Gallen, Switzerland: Erker Verlag.

Henderson, B., & Wyman, J. (2002). *CSCL 2002 DVD*.

Heritage, J. (1984). *Garfinkel and ethnomethodology*. Cambridge, UK: Polity Press.

Herrmann, T. (1995). *Workflow management systems: Ensuring organizational flexibility by possibilities of adaption and negotiation.* Paper presented at the COOCS´95. Conference on Organizational Computing Systems, Milpitas, CA.

Herrmann, T., Wulf, V., & Hartmann, A. (1996). Requirements for a human-centered design of groupware. In D. Shapiro, M. Tauber & R. Traunmüller (Eds.), *Design of computer supported cooperative work and groupware systems*. Amsterdam, NL: Elsevier.

Herrmann, T., & Kienle, A. (2002). *Kolumbus: Context-oriented communication support in a collaborative learning environment.* Paper presented at the World Conference on

Social, Ethical and Cognitive Issues of Informatics and Information and Communication Technology. Retrieved from http://iugsun.cs.uni-dortmund.de:2048/pub/bscw.cgi/d219854/30206.PDF.

Hewitt, J. (1997). *Beyond threaded discourse.* Paper presented at the WebNet '97. Proceedings pp. CD-ROM.

Hewitt, J., Scardamalia, M., & Webb, J. (1998). *Situative design issues for interactive learning environments* Retrieved from http://csile.oise.on.ca/abstracts/situ_design.

Hewitt, J., & Teplovs, C. (1999). *An analysis of growth patterns in computer conferencing threads.* Paper presented at the Computer Supported Collaborative Learning (CSCL '99), Palo Alto, CA. Proceedings pp. 232-241.

Hopper, R. (1992). *Telephone conversation*. Bloomington, IN: Indiana University Press.

Husserl, E. (1936/1989). The origin of geometry (D. Carr, Trans.). In J. Derrida (Ed.), *Edmund Husserl's origin of geometry: An introduction* (pp. 157-180). Lincoln, NE: University of Nebraska Press.

Hutchins, E. (1996). *Cognition in the wild*. Cambridge, MA: MIT Press.

Hutchins, E. (1999). Cognitive artifacts. In *MIT encyclopedia of the cognitive sciences*. Cambridge, MA: MIT Press. Retrieved from http://cognet.mit.edu/library/MITECS.

Jaynes, J. (1976). *The origin of consciousness in the breakdown of the bicameral mind*. Boston, MA: . Houghton Mifflin.

Johnson, D. W., & Johnson, R. T. (1989). *Cooperation and competition: Theory and research*. Edina, MN: Interaction Book Company.

Johnson, S. (2001). *Emergence: The connected lives of ants, brains, cities and software*. New York, NY: Simon & Shuster.

Jordan, B., & Henderson, A. (1995). Interaction analysis: Foundations and practice. *Journal of the Learning Sciences, 4* (1), 39-103. Retrieved from http://lrs.ed.uiuc.edu/students/c-merkel/document4.HTM.

Kant, I. (1787/1999). *Critique of pure reason*. Cambridge, UK: Cambridge University Press.

Kaptelinin, V., & Cole, M. (2002). Individual and collective activities in educational computer game playing. In T. Koschmann, R. Hall & N. Miyake (Eds.), *CSCL2: Carrying forward the conversation* (pp. 297-310). Mahwah, NJ: Lawrence Erlbaum Associates.

Keil-Slawik, R. (1992). Artifacts in software design. In C. Floyd, H. Züllighoven, R. Budde & R. Keil-Slawik (Eds.), *Software development and reality construction* (pp. 168-188). Berlin, Germany: Springer Verlag.

Kendon, A. (1990). *Conducting interaction: Patterns of behavior in focused encounters*. Cambridge, UK: Cambridge University Press.

Kintsch, E., Steinhart, D., Stahl, G., Matthews, C., Lamb, R., & the LSA Research Group. (2000). Developing summarization skills through the use of LSA-backed feedback. *Interactive Learning Environments, 8* (2), 87-109. Retrieved from http://www.cis.drexel.edu/faculty/gerry/publications/journals/ile2000/ile.html.

Kling, R. (1999). What is social informatics and why does it matter? *D-Lib Magazine, 5* (1).

Kling, R., & Courtright, C. (2004). Group behavior and learning in electronic forums: A socio-technical approach. In S. A. Barab, R. Kling & J. H. Gray (Eds.), *Designing for*

virtual communities in the service of learning. Cambridge, UK: Cambridge University Press.

Klöckner, K. (2001). *Preparing the next generation of learning: Enhancing learning opportunities by Web-based cooperation.* Paper presented at the 10th European Distance Education Network (EDEN) Anniversary Conference 2001, Stockholm, Sweden. Proceedings pp. 330-335.

Kolodner, J. (1993). *Case-based reasoning*. San Mateo, CA: Morgan Kaufmann.

Koschmann, T. (1996a). Paradigm shifts and instructional technology. In T. Koschmann (Ed.), *CSCL: Theory and practice of an emerging paradigm* (pp. 1-23). Mahwah, NJ: Lawrence Erlbaum.

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. Retrieved from 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. Retrieved from http://www.cis.drexel.edu/faculty/gerry/publications/conferences/1998/cscw98/cscw_workshop.html.

Koschmann, T. (1999a). *Toward a dialogic theory of learning: Bakhtin's contribution to learning in settings of collaboration.* Paper presented at the Computer Supported Collaborative Learning (CSCL '99), Palo Alto, CA. Proceedings pp. 308-313. Retrieved from http://kn.cilt.org/cscl99/A38/A38.HTM.

Koschmann, T. (1999b). Meaning making: Special issue. *Discourse Processes, 27* (2).

Koschmann, T. (2001). A third metaphor for learning: Toward a form of trans-actional inquiry into inquiry. In D. Klahr & S. Carver (Eds.), *Cognition and instruction: 25 years of progress*. Mahwah, NJ: Lawrence Erlbaum.

Koschmann, T. (2002a). *Dewey's critique of learning as occult.* Paper presented at the AERA 2002, New Orleans.

Koschmann, T. (2002b). Dewey's contribution to the foundations of CSCL research. In G. Stahl (Ed.), *Computer support for collaborative learning: Foundations for a CSCL community: Proceedings of CSCL 2002* (pp. 17-22). Boulder, CO: Lawrence Erlbaum Associates.

Koschmann, T. (2002c). *Differing ontologies: Eighteenth-century philosophy and the learning sciences.* Paper presented at the International Conference of the Learning Sciences (ICLS '02), Seattle, WA.

Koschmann, T., & LeBaron, C. (2003). *Reconsidering common ground: Examining Clark's contribution theory in the operating room.* Paper presented at the European Computer-Supported Cooperative Work (ECSCW '03), Helsinki, Finland.

Koschmann, T. (Ed.). (1996b). *CSCL: Theory and practice of an emerging paradigm*. Hillsdale, NJ: Lawrence Erlbaum Associates.

Koschmann, T., Hall, R., & Miyake, N. (Eds.). (2002). *CSCL2: Carrying forward the conversation*. Mahwah, NJ: Lawrence Erlbaum Associates.

Koyeve, A. (1947/1969). *Introduction to the reading of Hegel* (J. James Nichols, Trans.). New York, NY: Basic Books.

Kraemer, K., & Pinsonneault, A. (1990). Technology and groups: Assessment of the empirical research. In J. Galegher, R. Kraut & C. Egido (Eds.), *Intellectual teamwork: Social and technological foundations of cooperative work* (pp. 375-405). Hillsdale, NJ: Lawrence Erlbaum Associates.

Kreindler, L., & Zahm, B. (1992). *Mathfinder sourcebook: A collection of resources for mathematics reform*. New York, NY: The Learning Team.

Lakoff, G. (1987). *Women, fire, and dangerous things*. Chicago: University of Chicago Press.

Lamon, M., Chan, C., Scardamalia, M., Burtis, P. J., & Brett, C. (1993). *Beliefs about learning and constructive processes in reading: Effects of a computer supported intentional learning environment (CSILE).* Paper presented at the Annual Conference of the American Educational Research Association (AERA '93), Atlanta, GA.

Landauer, T. K., & Dumais, S. T. (1997). A solution to Plato's problem: The latent semantic analysis theory of acquisition, induction and representation of knowledge. *Psychological Review, 104* (2), 211-240.

Landauer, T. K., Foltz, P. W., & Laham, D. (1998). Introduction to latent semantic analysis. *Discourse Processes, 25* (1), 259-284.

Latour, B., & Woolgar, S. (1979). *Laboratory life*. Thousand Oaks, CA: Sage Publications.

Lave, J. (1988). *Cognition in practice: Mind, mathematics and culture in everyday life*. Cambridge, UK: Cambridge University Press.

Lave, J. (1991). Situating learning in communities of practice. In L. Resnick, J. Levine & S. Teasley (Eds.), *Perspectives on socially shared cognition* (pp. 63-83). Washington, DC: APA.

Lave, J., & Wenger, E. (1991). *Situated learning: Legitimate peripheral participation*. Cambridge, UK: Cambridge University Press.

Lave, J. (1996). Teaching, as learning, in practice. *Mind, Culture, and Activity, 3* (3), 149-164.

LeBaron, C., & Streeck, J. (2000). Gesture, knowledge and the world. In D. McNeill (Ed.), *Language and gesture*. Cambridge, UK: Cambridge University Press.

Leinonen, T., Hakkarainen, K., Appelt, W., Dean, P., Gómez-Skarmetav, A., Ligorio, B., et al. (2001). *ITCOLE project: Designing innovative technology for collaborative learning and knowledge building.* Paper presented at the Ed-Media 2001: World Conference on Educational Multimedia, Hypermedia and Telecommunications, Tampere, Finland.

Lemke, J. (1990). *Talking science*. Norwood, NJ: Ablex.

Lenell, E., & Stahl, G. (2001). *Evaluating affordance short-circuits by reviewers and authors participating in on-line journal reviews.* Paper presented at the European Computer Supported Collaborative Learning Conference (E-CSCL '01), Maastricht, NL. Proceedings pp. 406-413. Retrieved from http://www.cis.drexel.edu/faculty/gerry/publications/conferences/2001/ecscl2001/ecscl.html.

Lepperhoff, N. (2001). *Sam: Untersuchung von aushandlungen in gruppen mittels agentensimulation (analysis of negotiation in groups: An agent-based simulation).*

Unpublished Ph.D. Dissertation, Informatics Department, University of Dortmund, Dortmund, Germany.

Lerner, G. (1993). Collectivities in action: Establishing the relevance of conjoined participation in conversation. *Text, 13* (2), 213-245.

Levinas, E. (1974/1998). *Otherwise than Being or beyond essence* (A. Lingis, Trans.). Pittsburgh, PA: Duquesne University Press.

Lim, L.-H., & Benbasat, I. (1993). A theoretical perspective on negotiation support systems. *Journal of Management Information Systems, 9* (3), 27-44.

Lindstaedt, S. (1996). *Towards organizational learning: Growing group memories in the workplace.* Paper presented at the CHI '96, Doctoral Consortium, Vancouver, Canada. Proceedings pp. 14-18.

Lindstaedt, S., & Schneider, K. (1997). *Bridging the gap between face-to-face communication and long-term collaboration.* Paper presented at the International ACM SigGroup Conference on Supporting Group Work, Phoenix, AZ. Proceedings pp. 331-340.

Linell, P. (2001). *Approaching dialogue: Talk, interaction and contexts in dialogical perspectives*. New York, NY: Benjamins.

Littlejohn, S. (1999). *Theories of human communication* (6th ed.). Belmont, CA: Wadsworth.

Marx, K. (1844/1967). Alienated labor. In L. G. K. Easton (Ed.), *Writings of the young Marx on philosophy and society* (pp. 287-300). New York, NY: Doubleday.

Marx, K. (1845/1967). Theses on Feuerbach. In L. G. K. Easton (Ed.), *Writings of the young Marx on philosophy and society* (pp. 400-401). New York, NY: Doubleday.

Marx, K. (1852/1963). *The eighteenth brumaire of Louis Bonaparte*. New York, NY: International Publishers.

Marx, K. (1858/1939). *Grundrisse der Kritik der politischen Oekonomie (Rohentwurf)*. Frankfurt, Germany: Europische Verlagsanstalt.

Marx, K. (1867). *Das Kapital: Kritik der politischen Oekonomie* (Vol. I). Hamburg, Germany: Otto Meisner.

Marx, K. (1867/1976). *Capital* (B. Fowkes, Trans. Vol. I). New York, NY: Vintage.

Maturana, H. R., & Varela, F. J. (1987). *The tree of knowledge: The biological roots of human understanding*. Boston, MA: Shambhala.

McCall, R., Bennett, P., d'Oronzio, P., Ostwald, J., Shipman, F., & Wallace, N. (1990). Phidias: Integrating cad graphics into dynamic hypertext. In A. Rizk, N. Streitz & J. Andre (Eds.), *Hypertext: Concepts, systems and applications. Proceedings of the european conference on hypertext (ECHT '90)* (pp. 152-165). Cambridge, UK: Cambridge University Press.

McDowall, D., McLeary, R., Meidinger, E., & Hay, R. J. (1980). *Interrupted time series analysis*. Beverly Hills, CA: Sage.

McGrath, J. (1993). A typology of tasks. In R. Baecker (Ed.), *Readings in groupware and computer-supported cooperative work: Assisting human-human collaboration*. San Francisco, CA: Morgan Kaufmann.

McKay, C. (1985). *The case for Mars II*. San Diego, CA: American Astronomical Society.

Mead, G. H. (1934/1962). *Mind, self and society*. Chicago, IL: University of Chicago Press.

Merleau-Ponty, M. (1945/2002). *The phenomenology of perception* (C. Smith, Trans. 2 ed.). New York, NY: Routledge.

Merleau-Ponty, M. (1955). *Visible and invisible*. Evanston, IL: Northwestern University Press.

Miller, P. L. (1986). *Expert critiquing systems: Practice-based medical consultation by computer*. Berlin, Germany: Springer Verlag.

Minsky, M. (1986). *Society of mind*. New York, NY: Simon & Shuster.

Mittal, S., Bobrow, D., & Kahn, K. (1986). *Virtual copies at the boundary between classes and instances.* Paper presented at the Object-Oriented Programming Systems, Languages and Applications (OOPSLA '86), Portland, OR. Proceedings pp. 159-166.

Muukkonen, H., Hakkarainen, K., & Leinonen, T. (2000). *Introduction to FLE2 pedagogy* Retrieved from http://fle2.uiah.fi/pedagogy.html.

Nancy, J.-L. (2000). *Being singular plural* (R. Richardson, Trans.). Palo Alto, CA: Stanford University Press.

Nardi, B. (Ed.). (1996). *Context and consciousness: Activity theory and human-computer interaction*. Cambridge, MA: MIT Press.

NCTM. (1989). *Curriculum and evaluation standards for school mathematics*. Alexandria, VA: National Council of Teachers of Mathematics.

Nelson, T. (1981). *Literary machines*. New York, NY: Mindful Press.

Newell, A., & Simon, H. A. (1963). GPS, a program that simulates human thought. In A. Feigenbaum & V. Feldman (Eds.), *Computers and thought* (pp. 279-293). New York, NY: McGraw Hill.

Norman, D. (1990). *The design of everyday things*. New York, NY: Doubleday.

Norman, D. (1991). Cognitive artifacts. In J. Carroll (Ed.), *Designing interaction*. Cambridge, UK: Cambridge University Press.

Norman, D. A. (1993). *Things that make us smart*. Reading, MA: Addison-Wesley Publishing Company.

Nunamaker Jr., J., Dennis, A., Valacich, J., & Vogel, D. (1991). Information technology for negotiating groups: Generating options for mutual gain. *Management Science, 37* (10), 1325-1346.

Nygaard, K., & Sørgaard, P. (1987). The perspective concept in informatics. In G. Bjerknes, P. Ehn & M. Kyng (Eds.), *Computers and democracy: A Scandinavian challenge* (pp. 371-393). Aldershot, UK: Avebury.

O'Malley, C. (1995). *Computer supported collaborative learning*. Berlin, Germany: Springer Verlag.

Ong, W. (1998). *Orality and literacy: The technologizing of the World*. New York, NY: Routledge.

Orlikowski, W. (1992). *Learning from notes: Organizational issues in groupware implementation.* Paper presented at the CSCW '92, Toronto, Canada. Proceedings pp. 362-369.

Orlikowski, W., Yates, Y., Okamura, K., & Fujimoto, M. (1995). Shaping electronic communication: The metastructuring of technology in the context of use. *Organization Science, 6* (4), 423-369.

Orr, J. (1990). Sharing knowledge, celebrating identity: War stories and community memory in a service culture. In D. S. Middleton & D. Edwards (Eds.), *Collective remembering: Memory in society*. Beverly Hills, CA: SAGE Publications.

Owen, R., Holland, A., & Wood, J. (1993). A prototype case-based reasoning human assistant for space crew assessment and mission management. In U. Fayyad & F. Uthurusamy (Eds.), *Applications of artificial intelligence 1993: Knowledge-based systems in aerospace and industry* (pp. 262-273). Bellingham, WA: SPIE.

Packer, M., & Goicoechea, J. (2000). Sociocultural and constructivist theories of learning: Ontology, not just epistemology. *Educational Psychologist, 35* (4), 227-241.

Papert, S. (1980). *Mindstorms: Children, computers and powerful ideas*. New York, NY: Basic Books.

Papert, S. (1993). *The children's machine: Rethinking school in the age of the computer*. New York, NY: Basic Books.

Pea, R. (1993a). The collaborative visualization project. *Communications of the ACM, 36* (5), 60-63.

Pea, R. (1993b). Practices of distributed intelligence and designs for education. In G. Salomon (Ed.), *Distributed cognitions: Psychological and educational considerations* (pp. 47-87). Cambridge, UK: Cambridge University Press.

Perkins, D. N. (1993). Person-plus: A distributed view of thinking and learning. In G. Salomon (Ed.), *Distributed cognitions: Psychological and educational considerations* (pp. 88-110). Cambridge, UK: Cambridge University Press.

Plato. (350 BC/1961). Meno. In E. Hamilton & H. Cairns (Eds.), *The collected dialogues of Plato* (pp. 353-384). Princeton, NJ: Princeton University Press.

Polanyi, M. (1962). *Personal knowledge*. London, UK: Routledge & Kegan Paul.

Polanyi, M. (1966). *The tacit dimension*. Garden City, NY: Doubleday.

Pomerantz, A., & Fehr, B. J. (1991). Conversation analysis: An approach to the study of social action as sense making practices. In T. A. van Dijk (Ed.), *Discourse as social interaction: Discourse studies, a multidisciplinary introduction, volume 2* (pp. 64-91). London, UK: Sage.

Popper, K. (1972). *Objective knowledge: An evolutionary approach*. Oxford, UK: Clarendon Press.

Preece, J., Rogers, Y., & Sharp, H. (2002). *Interaction design: Beyond human-computer interaction*. New York, NY: John Wiley & Sons.

Prevignano, C., & Thibault, P. (2003). *Discussing conversation analysis: The work of Emanuel A. Schegloff*. Amsterdam, Netherlands: John Benjamins.

Psathas, G. (1995). *Conversation analysis: The study of talk-in-interaction*. Thousand Oaks, CA: Sage.

Radloff, R., & Helmreich, R. (1968). *Groups under stress: Psychological research in Sealab II*. New York, NY: Appleton Century Crofts.

Raymond, E. (2001). *The cathedral and the bazaar: Musings on Linux and open source by an accidental revolutionary*. New York, NY: O'Reilly.

Remillard, J., & Bryans, M. (2004). Teachers' orientations toward mathematics curriculum materials: Implications for curricular change. *Journal for Research in Mathematics Education*.

Repenning, A. (1994). Programming substrates to create interactive learning environments. *Journal of Interactive Learning Environments, Special Issue on End-User Environments, 4* (1), 45-74.

Repenning, A., & Sumner, T. (1995). Agentsheets: A medium for creating domain-oriented visual programming languages. *IEEE Computer. Special issue on visual programming, March*.

Resnick, L., Levine, J., & Teasley, S. (Eds.). (1991). *Perspectives on socially shared cognition*. Washington, DC: American Psychological Association.

Ricoeur, P. (1976). *Interpretation theory: Discourse and the surplus of meaning*. Fort Worth, Texas: Texas Christian University Press.

Riesbeck, C., & Schank, R. (1989). *Inside case-based reasoning*. Hillsdale, NJ: Lawrence Erlbaum.

Rittel, H., & Webber, M. (1973). Dilemmas in a general theory of planning. *Policy Science, 4*, 155-169.

Rittel, H., & Webber, M. M. (1984). Planning problems are wicked problems. In N. Cross (Ed.), *Developments in design methodology* (pp. 135-144). New York, NY: John Wiley & Sons.

Robbins, J. E., & Redmiles, D. F. (1998). Software architecture critics in the argo design environment. *Knowledge-Based Systems*, 47-60.

Roschelle, J. (1996). Learning by collaborating: Convergent conceptual change. In T. Koschmann (Ed.), *CSCL: Theory and practice of an emerging paradigm* (pp. 209-248). Hillsdale, NJ: Lawrence Erlbaum Associates.

Rumelhart, D. A., & McClelland, J. L. (1986). *Parallel distributed processing: Explorations in the microstructure of cognition. Volumes 1 & 2*. Cambridge, MA: MIT Press.

Russell, T. (Ed.). (1999). *The no significant difference phenomenon*: Mindspring Press. Retrieved from http://cuda.teleeducation.nb.ca/nosignificantdifference/.

Sacks, H., Schegloff, E. A., & Jefferson, G. (1974). A simplest systematics for the organization of turn-taking for conversation. *Language, 50* (4), 696-735. Retrieved from www.jstor.org.

Sacks, H. (1992). *Lectures on conversation*. Oxford, UK: Blackwell.

Salomon, G. (1993a). *Distributed cognitions: Psychological and educational considerations*. Cambridge, UK: Cambridge University Press.

Salomon, G. (1993b). No distribution without individuals' cognition: A dynamic interactional view. In G. Salomon (Ed.), *Distributed cognitions: Psychological and educational considerations* (pp. 111-137). Cambridge, UK: Cambridge University Press.

Sartre, J.-P. (1968). *Search for a method* (H. Barnes, Trans.). New York, NY: Random House.

Scardamalia, M., & Bereiter, C. (1991). Higher levels of agency in knowledge building: A challenge for the design of new knowledge media. *Journal of the Learning Sciences, 1*, 37-68.

Scardamalia, M., & Bereiter, C. (1996). Computer support for knowledge-building communities. In T. Koschmann (Ed.), *CSCL: Theory and practice of an emerging paradigm* (pp. 249-268). Hillsdale, NJ: Lawrence Erlbaum Associates.

Schank, R. (1982). *Dynamic memory*. Cambridge, UK: Cambridge University Press.

Schegloff, E., & Sacks, H. (1973). Opening up closings. *Semiotica, 8*, 289-327.

Schegloff, E. (1991a). Reflections on talk and social structure. In E. Boden & D. Zimmerman (Eds.), *Talk and social structure: Studies in ethnomethodology and conversation analysis* (pp. 44-70). Berkeley, CA: University of California Press.

Schegloff, E. (1991b). Conversation analysis and socially shared cognition. In L. Resnick, J. Levine & S. Teasley (Eds.), *Perspectives on socially shared cognition* (pp. 150-171). Washington, DC: APA.

Schegloff, E. A., Jefferson, G., & Sacks, H. (1977). The preference for self-correction in the organization of repair in conversation. *Language, 53* (2), 361-382. Retrieved from www.jstor.org.

Schön, D. (1992). Designing as reflective conversation with the materials of a design situation. *Knowledge-Based Systems Journal, Special Issue on AI in Design, 5* (1), 3-14.

Schön, D. A. (1983). *The reflective practitioner: How professionals think in action*. New York, NY: Basic Books.

Schutz, A. (1967). *Phenomenology of the social World* (F. Lehnert, Trans.). Evanston, IL: Northwestern University Press.

Scott, J. (1991). *Social network analysis: A handbook*. Thousand Oaks, CA: Sage.

Searle, J. (1969). *Speech acts: An essay in the philosophy of language*. Cambridge, UK: Cambridge University Press.

Searle, J. (1980). Minds, brains and programs. *Behavioral and Brain Sciences, 3*, 417-424.

Senge, P. (1990). *The fifth discipline, the art and practice of the learning organization*. New York, NY: Currency Doubleday.

Sfard, A., & Linchevski, L. (1994). The gains and the pitfalls of reification -- the case of algebra. *Educational Studies in Mathematics, 26*, 191-228.

Sfard, A. (1998). On two metaphors for learning and the dangers of choosing just one. *Educational Researcher, 27* (2), 4-13.

Sfard, A. (2002). There is more to discourse than meets the ears: Looking at thinking as communicating to learn more about mathematical learning. In C. Kieran, E. Forman & A. Sfard (Eds.), *Learning discourse: Discursive approaches to research in mathematics education* (pp. 13-57). Dordrecht, Netherlands: Kluwer.

Sfard, A., & McClain, K. (2003). Analyzing tools: Perspectives on the role of designed artifacts in mathematics learning: Special issue. *Journal of the Learning Sciences, 11* (2 & 3).

Shannon, C., & Weaver, W. (1949). *The mathematical theory of communication*. Chicago, Il: University of Illinois Press.

Shumar, W., & Renninger, K. A. (2002). Introduction: On conceptualizing community. In K. A. R. W. Shumar (Ed.), *Building virtual communities* (pp. 1-19). Cambridge, UK: Cambridge University Press.

Simon, H. (1981). *The sciences of the artificial* (2nd ed.). Cambridge, MA: MIT Press.

Slotta, J. D., & Linn, M. C. (2000). The knowledge integration environment: Helping students use the internet effectively. In M. J. Jacobson & R. Kozma (Eds.), *Learning the sciences of the 21st century*. Hillsdale, NJ: Lawrence Erlbaum Associates.

Solomon, G. (1993). *Distributed cognitions: Psychological and educational considerations*. Cambridge, UK: Cambridge University Press.

Stahl, G. (1975a). *Marxian hermeneutics and Heideggerian social theory: Interpreting and transforming our World.* Unpublished Ph.D. Dissertation, Department of Philosophy, Northwestern University, Evanston, IL. Retrieved from http://www.cis.drexel.edu/faculty/gerry/publications/dissertations/philosophy.

Stahl, G. (1975b). The jargon of authenticity: An introduction to a Marxist critique of Heidegger. *Boundary 2, III* (2), 489-498. Retrieved from http://www.cis.drexel.edu/faculty/gerry/publications/interpretations/jargon.htm.

Stahl, G. (1976). Attuned to Being: Heideggerian music in technological society. *Boundary 2, IV* (2), 637-664. Retrieved from http://www.cis.drexel.edu/faculty/gerry/publications/interpretations/attuned.htm.

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. Proceedings pp. 160-167. Retrieved from http://www.cis.drexel.edu/faculty/gerry/publications/conferences/1990-1997/ibm92/ExtHyper.html.

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. Retrieved from http://www.cis.drexel.edu/faculty/gerry/publications/dissertations/computer.

Stahl, G. (1995). *Supporting personalizable learning* (No. CU-CS-788-95). Boulder, CO: Department of Computer Science, University of Colorado. Retrieved from http://www.cis.drexel.edu/faculty/gerry/publications/techreports/personalize/.

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. Retrieved from http://www.cis.drexel.edu/faculty/gerry/cscl/papers/ch06.pdf.

Stahl, G. (1996). *Personalizing the Web* (No. CU-CS-836-96). Boulder, CO: Department of Computer Science, University of Colorado. Retrieved from http://www.cis.drexel.edu/faculty/gerry/publications/techreports/www6/PAPER82.html.

Stahl, G., & Herrmann, T. (1998). *Verschrankung von perspectiven 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. Retrieved from 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.

Stahl, G., & Herrmann, T. (1999). *Intertwining perspectives and negotiation.* Paper presented at the International Conference on Supporting Group Work (Group '99), Phoenix, AZ. Proceedings pp. 316-324. Retrieved from http://www.cis.drexel.edu/faculty/gerry/cscl/papers/ch07.pdf.

Stahl, G. (2000). Review of "professional development for cooperative learning: Issues and approaches" [book review]. *Teaching and Learning in Medicine: An International*

Journal, 12 (4). Retrieved from http://www.cis.drexel.edu/faculty/gerry/cscl/papers/ch18.pdf.

Stahl, G., & Sanusi, A. (2001). *Multi-layered perspectives on collaborative learning activities in a middle school rocket simulation project.* Paper presented at the 22nd Annual Ethnography in Education Research Forum, Philadelphia, PA. Retrieved from http://www.cis.drexel.edu/faculty/gerry/publications/conferences/2001/ethnography2001/ethnography.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. Retrieved from http://isls.org/cscl/cscl2002proceedings.pdf.

Steinkuehler, C., Derry, S., Woods, D., & Hmelo-Silver, C. (2002). *The step environment for distributed problem-based learning on the World Wide Web.* Paper presented at the Computer Support for Collaborative Learning (CSCL 2002), Boulder, CO. Proceedings pp. 217-226.

Stiemerling, O., & Wulf, V. (2000). Beyond "yes and no" -- extending access control in groupware with awareness and negotiation. *Group Decision and Negotiation, 9*, 221-235.

Streeck, J. (1983). *Social order in child communication: A study in microethnography*. Amsterdam, NL: Benjamins.

Streeck, J., & Mehus, S. (2003). Microethnography: The study of practices. In K. F. R. Sanders (Ed.), *Handbook of language and social interaction*. Mahway, NJ: Erlbaum Associates.

Suchman, L. (1987). *Plans and situated actions: The problem of human-machine communication*. Cambridge, UK: Cambridge University Press.

Sumner, T. (1995). *The high-tech toolbelt: A study of designers in the workplace.* Paper presented at the Human Factors in Computing Systems (CHI '95), Denver, CO. Proceedings pp. 178-185.

ten Have, P. (1999). *Doing conversation analysis: A practical guide*. Thousand Oaks, CA: Sage.

Thorndike, E. L. (1914). *Educational psychology* (Vol. I-III). New York, NY: Teachers College.

Tomasello, M., Kruger, A. C., & Ratner, H. (1993). Cultural learning. *Behavioral and Brain Sciences, 16*, 495-552.

Turing, A. M. (1950). Computing machinery and intelligence. *Mind, 59*, 433-460.

van Aalst, J., Burtis, J., Teplovs, C., & Scardamalia, M. (1999). *Latent semantic analysis and data analysis in computer supported collaborative learning.* Paper presented at the annual conference of the American Educational Research Association (AERA '99).

Vera, J., & Simon, H. (1993). Situated action: A symbolic interpretation. *Cognitive Science, 17* (1), 7-48.

Verschaffel, L., Greer, B., & Corte, E. D. (2000). *Making sense of word problems*. Lisse, Netherlands: Swets & Zeitlinger.

Vogel, D., Nunamaker, J., Applegate, L., & Konsynski, B. (1987). *Group decision support systems: Determinants of success.* Paper presented at the Decision Support Systems (DSS '87). Proceedings pp. 118-128.

Vygotsky, L. (1930/1978). *Mind in society*. Cambridge, MA: Harvard University Press.

Vygotsky, L. (1934/1986). *Thought and language*. Cambridge, MA: MIT Press.

Wartofsky, M. (1973/1979). Perception, representation, and the forms of action: Towards an historical epistemology. In M. Wartofsky (Ed.), *Models: Representation and the scientific understanding* (pp. 188-210). London, UK: D. Reidel.

Wasserman, S., & Faust, K. (1992). *Social network analysis: Methods and applications*. Cambridge, UK: Cambridge University Press.

Wegerif, R. (2004). *A dialogical understanding of the relationship between CSCL and teaching thinking skills.* Paper presented at the Kaleidoscope CSCL Symposium, Lausanne, Switzerland.

Wells, G. (1999). *Dialogic inquiry: Towards a socio-cultural practice and theory of education*. Cambridge, UK: Cambridge University Press.

Wertsch, J. V. (1985). *Vygotsky and the social formation of mind*. Cambridge, MA: Harvard University Press.

Winograd, T., & Flores, F. (1986). *Understanding computers and cognition: A new foundation of design*. Reading, MA: Addison-Wesley.

Winograd, T. (1996). *Bringing design to software*. New York, NY: ACM Press.

Wittgenstein, L. (1921/1974). *Tractatus logico philosophicus*. London, UK: Routledge.

Wittgenstein, L. (1953). *Philosophical investigations*. New York, NY: Macmillan.

Wulf, V. (2001). *Zur anpassbaren gestaltung von groupware (tailorable design of groupware)* (Vol. No. 10). Sankt Augustin, Germany: GMD Research Series.

Wulf, V., Pipek, V., & Pfeifer, A. (2001). Resolving function-based conflicts in groupware systems. *AI & Society, 15*, 233-262.

Yates, J., & Orlikowski, W. (1992). Genres of organizational communication: A structurational approach to studying communication and media. *Academy of Management Review, 17* (2), 299-326.

Zuboff, S. (1988). *In the age of the smart machine*. New York, NY: Basic Books, Inc.