

Hillary Hart

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EDUCATION

Bryn Mawr College, Bryn Mawr, PA	Ph.D.	1981
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CURRENT AND PREVIOUS ACADEMIC POSITIONS

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|---|---|-----------|
| • The University of Texas, Austin, TX | <i>Distinguished Sr. Lecturer</i> | |
| • Center for Women's and Gender Studies (UT-Austin) | <i>Interim Assoc. Director</i> | 2008-2009 |
| • Women in Engineering Program (WEP), College of Engineering, UT-Austin | <i>Interim Director</i> | 9/94-1/95 |
| • Harvard University Extension School, Cambridge, MA | <i>Instructor in Expository Writing</i> | 1983-1987 |

COURSES DEVELOPED AND TAUGHT AT UT AUSTIN

Engineering Communication (CE 333T)

Upper-division undergraduate required course in CAEE department. Taught every semester since 1987 (except Fall 2004)

Advanced Technical Communication for Engineers (CE 389C)

Graduate course for College of Engineering students. Taught once/year since 1998 (except 2002).

Indoor Environment Technical Exchange (CE 297) – Co-instructor: Kerry Kinney

Professional development and community-engagement required course for IGERT trainees in the Indoor Environmental Science and Engineering doctoral program. Taught once/semester since 2006

Gender and Information Technology (GRS 390J) – co-instructor: Phillip Doty

Graduate course for university students interested in exploring the intersection of studies of gender and of technology: how do attitudes about gender structure our information technologies? Taught Spring 2006

Technology and the Global Community (FS 118) -- co-instructor: Mary Lynn Rice-Lively

Freshman course for University students. Taught once/year for 5 years, 2001-2005

OTHER PROFESSIONAL EXPERIENCE

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|--|---|-----------|
| • Better Communications, Inc., Boston, MA | <i>Consultant and Curriculum Developer</i> | 1983-1987 |
| • Health Care Financial Boston, MA | <i>Vice-President for Public Relations and Research</i> | 1982 |
| • Health Care Financial Consultants, Burlington, VT and Boston, MA | <i>Associate Director, Vermont Program Fund/Public Relations Consultant</i> | 1981 |

CONSULTING

I provide technical editing, writing, and risk-communication planning services to a range of clients. Clients within the last 6 years include Gestalt, Inc., Object Reservoir, Alcoa, Inc., and the Texas Water Development Board. I also conduct short courses, such as the following:

Communicating Technical Information for Results. Two-day short course conducted for Object Reservoir, January 13-14, 2004, Austin TX. Three-day short course conducted for Gestalt, Inc., August 22-24, 2005, King of Prussia, PA.

SELECTED HONORS AND AWARDS

- *President's Award*, Society for Technical Communication, awarded in Philadelphia, PA, June 2008. Cited for "your wisdom, strength of character, and commitment to ensuring that STC members from various backgrounds work as partners."
- *Fellow*, Society of Technical Communication, awarded in Philadelphia, PA, June 2008. Cited for "your vision in building communication bridges between the academic and practitioner communities."
- *Distinguished Technical Communication Award*, Frank R. Smith Outstanding Journal Article in *Technical Communication*, 2007
- *Distinguished Special Service Award*, Environmental, Health, and Safety Communication Special Interest Group, Society for Technical Communication, 2005
- *Nominating Committee* (national election), Society for Technical Communication, 2004
- *Associate Fellow*, Society for Technical Communication, 2003. Cited for "your generous and enthusiastic work as an educator and mentor in the technical communication profession."
- *Distinguished Chapter Service Award*, Society for Technical Communication, 1998
- *Faculty Excellence Award*, Graduate Engineering Council, University of Texas, 1997
- *Excellence in Engineering Teaching*, Departmental Teaching Award, Department of Civil Engineering, College of Engineering, University of Texas, 1995
- *Whiting Fellowship in the Humanities*, Bryn Mawr College, 1978-1979

CURRENT MEMBERSHIPS IN PROFESSIONAL AND HONORARY SOCIETIES

Association of Teachers of Technical Writing
Council for Programs in Technical and Scientific Communication
American Society of Engineering Education
Society for Technical Communication (Director and international committee chair)
Professional Communication Committee, Institute of Electrical and Electronics Engineers
Center for Academic Integrity, Duke University

UNIVERSITY COMMITTEE ASSIGNMENTS and elections

Departmental-	External Advisory Committee(EAC) Faculty Liaison	2002-present
	Graduate Curricula and Policies Committee	1999-present
	Undergraduate Recruiting and Retention	2002-present
	<i>Ad Hoc</i> CE Centennial Committee	2003-2004
	Department Teaching Award	1995-1998 Chair, 1997-98
College-	Engineering Communication Committee	1993-present Chair, 1993-2000; 2005-present
	Women-in-Engineering Program	Chair, 1995-2000
University-	Task Force on Faculty Gender Equity at UT Austin	2007-
	Consultative Committee for the Selection of the Provost (elected)	Aug.-Dec. 2006

Faculty Welfare Committee	2002-2006 Chair, 2004-2006
Center for Women's and Gender Studies (CWGS) Steering Committee (elected)	1997-99, 2004-present
CWGS Associate Director Search Committee	Spring 2005
Faculty Women's Organization Steering Committee	1999-present Chair 2000-01
Graduate School Professional Development & Community Engagement Faculty Advisory Board	2000-present
Search Committee, Student Ombudsman	Spring, 2004
Gilbert Teaching Excellence Award Committee, Center for Women's Studies	2002- 2003
Substantial Writing Component Committee	2001-2003
President's <i>Ad Hoc</i> Committee on Non Tenure-Track Faculty	2000-2002

PROFESSIONAL SOCIETY AND MAJOR GOVERNMENTAL COMMITTEES

Society for Technical Communication – international society
Director at Large, Board of Directors, 2008-2009
Body of Knowledge Task Force, co-chair, 2008-2009
Academic-Industry Collaborations, Chair, 2006-present
Elected member, Nominating Committee, 2004-2006
Leadership Resource Community Planning Committee, 2005
Program Committee, 2005 International Conference, Seattle, WA.
Manager, Special Interest Group on Environmental, Health & Safety Communication, 1999-2004. (Associate Manager, 1997-98.)
Manager, Academic Program Development Committee, 1993-1995.
Special Events Coordinator, 41st Annual Conference, Minneapolis, MN, May 15-18, 1994.
Leadership Training and Development Committee, 1993-94
STC Status Review Committee, 1992-93
Society for Technical Communication -- Austin Chapter:
Director of Publications, 2002-2004
Director of Education, 1998-2001
Manager, Program Committee, 1997-1998
Manager, Policy and Procedures Committee, 1994-1996
President, 1991-92

PUBLICATIONS

A. Refereed Archival Journal Publications

Hart, H. and Conklin, J., (2006) "Toward a Meaningful Model for Technical Communication," *Technical Communication*. Vol. 53, no. 4, pp. 395-415 (winner of *Distinguished Technical Communication Award*, 2007).

Moore, C.; Hart, H.; Randall, D.; and Nichols, S., (2006) "PRiME: Integrating Professional Responsibility into the Engineering Curriculum," *Science and Engineering Ethics*. Vol. 12, no. 2, pp. 273-289.

Hart, H. and Glick-Smith, J., (1994) "Training in Technical Communication: Ideas for a Partnership between the Academy and the Workplace," *Technical Communication*, Vol. 41, no. 3, August 1994, pp. 399-405.

B. Books, Chapters of Books; Editor of Books

Hart, H. 2008. *Engineering Communication*, second edition. Upper Saddle River, NJ: Prentice Hall, 218 pages.

Hart, H., 1997. "Ph.D. Programs that Work," Chapter One in *Technical Communication: Academic Programs that Work*, Michael Keene, ed. Society for Technical Communication, Washington, DC.

Hart, H., Executive Editor. 1992-1994. *CII Education Modules* (10 modules, 20 volumes), The Construction Industry Institute, Austin, TX. The modules were developed as short courses for implementing CII research. Titles of individual modules: *Optimizing Project Schedules, Construction Planning for Start-Up, Quality Performance Management System, Tools for Effective Materials Management, Objectives Matrix – an Evaluation Tool, Managing Inputs to Design for Project Success, Scope Definition and Control, Implementing Constructability, Modularization in Industrial Construction, Setting Project Objectives.*

C. Refereed Conference Proceedings

Hart, H. and Moore, C., 2007. "Developing Curriculum on Research Ethics for Engineers: Gathering the Data." *Proceedings of the ASEE Conference*, Honolulu, Hawaii, June 27.

Hart, H., 2005. "Making the Process the Content: Connecting Engineering Students to the Real Real World." *Proceedings of the IPCC Conference*, Limerick, Ireland, July 12.

Hart, H. and Randall, D., 2005. "Designing Challenge-Based Ethics Instruction for Undergraduate Engineers," *Proceedings of the IPCC Conference* (CD-ROM), Limerick, Ireland, July 11.

Randall, D. and Hart, H., 2005. "Whose Words Can We Trust?: PRiME's Modules for Teaching and Assessing Undergraduate Learning in Information Ethics." *Proceedings of the ASEE Conference*, Portland, OR, June 15.

Hart, H. and Conklin, J., 2004. "Making a Meaningful Model for Technical Communication." *Proceedings, International Professional Communication Conference* (Institute of Electrical and Electronics Engineering), Minneapolis, MN September 29.

Hart, H. and Moore, C., 2002. "Developing Instructional Modules for Engineering Ethics," *Proceedings of the 2002 American Society for Engineering Education Annual Conference*, Montreal, Canada, June 19.

Hart, H.; Armbruster, D.; and Pearce, J., 2002. "Science, Intellectual Property, and the Web." *Society for Technical Communication 49th Annual Conference Proceedings*, May 2002, Adobe Acrobat, 1 CD-ROM.

Hart, H., 1990. "Building an Articulate Engineer: A Laboratory Approach," *Proceedings of the National Forum on Education and Continuing Development for the Civil Engineer*, American Society of Civil Engineers, April 17-20, pp. 987-993.

D. Non-Refereed Publications

Hart, H. and Lawler, D., (posted 09/18/06), *A Guide to the Preparation of Theses and Dissertations in Science and Engineering*. <http://www.cae.utexas.edu/prof/hart/research.cfm>

Romig, N.; Jones, T.; and Hart, H., (posted 6/2/2006), "Assessing the PRiME Modules: Spring 2005." <http://www.ce.utexas.edu/prof/hart/research.cfm>

Hart, H., 2001. "Communicating about Environmental Risk with Stakeholders." *Society for Technical Communication 48th Annual Conference Proceedings*, Adobe Acrobat, 1 CD-ROM.

Hart, H. and Kinnas, S., 1998. "Developing Web-Based Tools for Environmental Courses." *American Society for Engineering Education Annual Conference Proceedings 1996-1998 Compilation*. Adobe Acrobat Software. 1 CD-ROM.

Hart, H., 1998. "Is Risk Communication Nothing but Green-Washing?" *Proceedings*, Society for Technical Communication, Arlington, VA, May 1998, pp. 31-32.

Hardjanto, F.J.; Kinnas, S.A.; Hart, H.; and Kim, M.H., 1998. "Visualization of Wave Kinematics on the World Wide Web: An Interactive Instructional Tool," *Ocean Wave Kinematics, Dynamics and Loads of Structures: Proceedings of the 1998 International OTRC Symposium*, Offshore Technology Research Center, American Society of Civil Engineers, Reston, VA, pp. 64-75.

Hart, H., 1998. "Service Courses Don't Have to Be Servants Anymore." *Council for Programs in Technical and Scientific Communication, 1997 Proceedings*, Austin, TX, pp. 79-80.

Hart, H., Executive Director, *UT Civil Engineering* (video, 3:14), November 1996. Prepared upon request of the Discovery Channel. Aired February 1997.

Hart, H., Executive Director, 1994. *The Civil Engineering Graduate Program at The University of Texas at Austin* (video, 13:10), Spring 1994.

Hart, H., 1992. "Professionalism Before Gender: The Evolution of a Dialogue on Sexual Harassment," *Water Resources Update*, Universities Council on Water Resources, No. 89, Autumn 1992, pp. 10-12.

Hart, H., Executive Director, 1991. *Turning Ideas into Reality: Civil and Architectural Engineering at The University of Texas at Austin* (video, 11:25), Winter 1991.

Hart, H., 1981. "Working in Biography: An Interview with Justin Kaplan," *Wilson Library Bulletin*, April 1981.

Hart, H., 1981. *The Place of Broken Ground: George Meredith and the Metaphor of Narrative* (1981). Doctoral dissertation, Canaday Library, Bryn Mawr College, Bryn Mawr, PA.

E. Reviews

Hart, H., 2001. Review of "Technical Communication, Deliberative Rhetoric, and Environmental Discourse: Connections and Directions," (N. Coppola and B. Karis, eds.) in *Technical Communication*, 48.1 (February 2001), pp. 207-08.

Hart H., 1999. Review of *The Project Cool Guide to Enhancing your Website* by T.A. Martin and G. Davis, *Technical Communication*, Vol. 46 (no. 3).

Hart, H., 1997. Review of *Information in Action: a Guide to Technical Communication* by M. Jimmie Killingsworth, in *Technical Communication*, Vol. 44 (no. 2).

Hart, H., 1996. Review of *Professional Writing in Context: Lessons from Teaching and Consulting in Worlds of Work*, by John F. Reynolds, et al., in *Technical Communication*, Vol. 43 (no. 3).

Hart, H., 1995. Review of *Technical Communication: Problems and Solutions*, by Roy F. Fox, in *Technical Communication*, Vol. 42 (no. 3).

F. Technical Reports

Hart, H., 1999. "Report of Research on Communicating about Risk with Stakeholders." BP Oil Company, April. Executive Summary:
http://www.ce.utexas.edu/prof/hart/documents/BPReport_Exec_Summary.doc.

ORAL PRESENTATIONS (not including those also published as papers)

- “Developing a Body of Knowledge for the Technical Communication Profession.” *International Professional Communication Conference*, Montreal, Canada, 14 July 2008. *Invited*.
- “Preparing Engineering Graduate Students to Meet Ethical Challenges in Doing Research” (with C. Moore). *American Society for Engineering Education*, annual meeting, Pittsburgh, PA, June 23, 2008.
- “The Technical Communication Knowledge Portal” (with D. Dayton, M. Hughes, and G. Redish). *Technical Communication Summit, Society for Technical Communication*, June 2, 2008. *Invited*.
- “Plagiarism in Engineering: What’s with the Literature Review?” University of Wisconsin, Madison, April 17, 2008. *Invited*.
- “Power, Gender, and Space: Deconstructing the Social Construction of Space,” New Faculty Colloquium, *Center for Women’s and Gender Studies*, UT Austin, March 28, 2008. *Invited*.
- “Plagiarizing the Literature Review: How Big is the Problem?” (with C. Moore and J. Ellzey). *Assoc. for Practical and Professional Ethics*, Annual meeting, San Antonio, TX, February 23, 2008.
- “Involvement of Academics in STC: If we build it, why don’t they come?” *Technical Communication Summit, Society for Technical Communication*, May 15, 2007.
- “Closing the Gap: Using Web-Based Lessons to Teach Professional Responsibility” (with C. Moore). *Association for Practical and Professional Ethics* – annual meeting, Cincinnati, OH, February 23, 2007.
- “Closing the Loop: Developing an Instructor Guide for Ethics Instruction” (with C. Moore). *American Society for Engineering Education Annual Conference*, Chicago, IL, June 21, 2006.
- “Integrating Ethics into the Engineering Curriculum,” (with C. Moore, D. Randall, M. Alley). *American Society for Engineering Education Annual Conference*, Chicago, IL, June 18, 2006.
- “New Models and Images for Technical Communication” (with J. Conklin), *Society for Technical Communication Annual Conference*, Las Vegas, NV, May 9, 2006.
- “Writers and Editors: Uneasy Dance Partners,” Panel moderator. *Society for Technical Communication Annual Conference*, Las Vegas, NV, May 10, 2006.
- “The PRiME Project: A College of Engineering Initiative to Integrate Ethics into the Curriculum,” (with C. Moore). UT Austin, March 28, 2006. *Invited presentation*.
- “What has Become of Technical Communication?” Board meeting, Society for Technical Communication, Atlanta, GA, January 26, 2006. *Invited presentation*.
- “Writers and Editors Face Off,” Panel moderator. *Society for Technical Communication Annual Conference*, Seattle, WA, May 2005.
- “Communicating Risks to Stakeholders,” Austin chapter, Society for Technical Communication, November 18, 2003, Austin, TX. *Invited presentation*.
- “Communication and Participation: The Importance of Involving Stakeholders” (with J. Conklin and G. Redish), *Society for Technical Communication Annual Conference*, Dallas, TX, May 19, 2003.
- “Taking the Pain out of Grading Written Work,” *Experienced Faculty Teaching Seminar*, UT Austin, January 7, 2003.

"Grading Student Writing: Papers and Exams" (with S. Schorn and S. Blackwood), *New Faculty Teaching/Orientation Seminar*, UT Austin, August 21, 2002.

"Risk-Communication – A Case Study: BP Oil Co.," *International Workshop Exchange on Project Management*, UT Austin, August 15, 2002. *Invited*.

"Making and Communicating Decisions in the Face of Risk" (with R. Gilbert), one-day course for Texas Water Development Board, Austin, TX, May 29, 2002. *Invited*.

"Web-based vs. Web-Enhanced Instruction" (with T. Aanstoos and K. Schmidt), *Teaching Conference for Experienced Faculty*, UT Austin, January 8, 2002.

Keynote address, 2001-2002 Austin Chapter Awards Celebration, Society for Technical Communication, Austin, TX, February 5, 2002. *Invited*.

"Incorporating Writing into a Sophomore Engineering Materials Class," (panel presentation) *ASEE Annual Conference*, Albuquerque, NM, June 27, 2001.

"Using Environmental Risk Assessments to Evaluate and Communicate Decisions," (with R. Gilbert). Air and Waste Management Association, Central Texas Chapter, Austin, TX, May 17, 2001.

"Rulemaking and Regulatory Writing," (panel presentation) Society for Technical Communication Annual Conference, Chicago, IL, May 16, 2001.

"An Overview of Science and Medical Writing," (moderator), Society for Technical Communication Annual Conference, Chicago, IL, May 14, 2001.

"Edit This! - Writing Made Easy," *Explore UT*, UT Austin, March 3, 2001. (Session certified for Professional Development Credit.)

"Recent Research on Risk Communication," *Southern States Environmental Conference*, Biloxi, MS, September 26, 2000. *Invited*.

"Technical Communication and Proposal Writing." Lecture for GRS 390W students, UT Austin, June 21, 2000. *Invited*.

"Developing Networks with Other Faculty," *Teaching Conference for Experienced Faculty*, UT Austin, January 10, 2000.

"Teaching Technical Communication to Engineering Students," Lakeway Town and Gown, Austin, TX, November 4, 1999. *Invited*.

"Market Yourself like a Pro." Panel presentation. *Society for Technical Communication*, Austin Chapter, October 26, 1999. *Invited*.

"Results of Recent Research in Risk Communication," *Environmental Solutions Program*, Pickle Research Campus, UT Austin, April 15, 1999. *Invited*.

"The Role of Engineering Ethics Case-Studies in the Technical-Communication Classroom," *American Society for Engineering Education Annual Conference*, Seattle, WA, June 30, 1998.

"Ecological Literacy and Advocacy through Technical Communication," Panel Presentation, *Society for Technical Communication Annual Conference*, May 18, 1998.

"Risk-Based Decision Making for Environmental Applications" (with Bob Gilbert). One-day course. *Environmental Solutions Program*, UT Austin, April 1998. *Invited*.

"The Role of Environmental Case-Studies in the Technical Communication Classroom," Gulf-Southwest ASEE Conference, University of New Orleans, March 1998.

"Writing to Communicate." *Software Project Management Certificate Program*, Software Quality Institute, UT Austin, January 13, 1998. *Invited*.

"Establishment of a Risk-Management Center at UT Austin: A Good Idea?" (with Bob Gilbert). Fall Research Review Meeting, *Environmental Solutions Program*, November 1997. *Invited*.

"Developing and Using Textbooks on the Web." Presented with Spyros Kinnas. Brown Bag Lunch, College of Engineering, UT Austin, November 4, 1997. *Invited*.

"Communication Workshop." Office of Environmental Health and Safety, UT Austin, October 3, 1997. *Invited*.

Environmental, Health, and Safety Communication Workshop. One-day course taught for UT Austin Office of Environmental Health and Safety, July 18, 1997. *Invited*.

"Leadership." Workshop presented for Society for Technical Communication Austin Chapter, June 28, 1997; July 13, 1996; July 15, 1995; July 16, 1994.

"Developing a Risk-Communication Strategy." Environmental Remediation Management Group, BP Oil, Baltimore, MD, June 17, 1997. *Invited*.

"Attracting the Next Generation of Civil Engineers." Panel presentation, STEER (STructural Engineering Education Reunion) '97, Austin, TX, May 16, 1997. *Invited*.

"Affirmative Action." Panel session (moderated), "Engineering Women at Work (and Play)!" Women-in-Engineering Program, UT Austin, TX, March 1, 1997. *Invited*.

"Effective Technical Presentations." Graduate Student Research Conference, UT Austin, October 10, 1996.

"Giving an Effective Technical Presentation." Seminars given to Environmental and Water Resources Engineering graduate program, UT Austin, September 1996, September 1992, September 1991.

"If it Ain't Broke, Then Why are You Fixing It?: Tinkering with a Successful Outreach Program for Middle School Girls," (with Sherry Woods), ASEE Gulf Southwest Conference, San Antonio, TX, March 28, 1996.

"Selecting, Assigning, and Evaluating Student Oral Presentations," Experienced Faculty Conference, UT Austin, January 10, 1996.

"Education in Scientific and Technical Communication: Ph.D. Programs." Annual conference, Society for Technical Communication, Washington, DC, April 24, 1995.

"Practical Applications of Cognitive Research," Paper presented and session moderated at Society for Technical Communication Region 5 Conference, *FutureMedia*, Houston, TX, October 15, 1994.

"Male/Female Communication." Workshop presented at Women-in-Engineering Program Fall Seminar series, UT Austin, September 24, 1993.

"Team Building in the Classroom." Paper presented at annual conference of Society for Technical Communication, Dallas, TX, June 7, 1993.

"Certification: Is it Time?" Panel presentation at Society for Technical Communication Region 5 Conference, Austin, TX, October 16, 1992.

"A Guide to the Preparation of Graduate Theses and Dissertations." Seminars given to Environmental and Water Resources Engineering, Geotechnical and Structures graduate student programs at UT Austin, October, 1989, March 1990, and October 1992.

"Improving Your Technical Presentations." Workshop for engineers, sponsored by Society for Technical Communication Austin chapter, March 26, 1992.

"Building an Articulate Engineer." Technical seminar hosted by Dallas Branch American Society of Civil Engineers Education Committee, Dallas, TX, May 31, 1991 (carried continuing education credit).

"Technical Report and Thesis Preparation: Strategies and Guidelines." Presentation at Advanced Institutes Graduate Student Symposium, Winedale, TX, April 17, 1991.

"Engineers' Writing Workshop." Given to Waterways Experiment Station (Army Corps of Engineers), Vicksburg, MS, January 7-8, 1991.

"Building an Articulate Engineer: A Laboratory Approach." Poster session given to American Society of Civil Engineers' 1990 *National Forum on Education and Continuing Development for the Civil Engineer: Setting the Agenda for the 90's and Beyond*, Las Vegas, NV, April 18, 1990.

"What's in your Toolkit?: Reference Materials for the Technical Writer." Presentation given to Austin chapter of Society for Technical Communication, Austin, TX, February 21, 1990. Invited.

RESEARCH INTERESTS

- Environmental Communication, especially Environmental Risk Communication: specifically, the development of strategies (rhetorical and otherwise) to ensure productive, interactive communication among engineers, regulators, industry, and the public on environmental issues.
- Engineering Ethics, especially Research Ethics, and integrating ethics into existing engineering courses on the undergraduate and graduate levels. Developing educational modules to teach engineering ethics and professional responsibility.
- Establishing the value of technical communication to business development and the public interest for industry, non-profits, and public agencies.

CURRENT SPONSORED RESEARCH

- Co-PI on a two-year NSF-ESEE project, *The Foundations of Research Ethics for Engineers* (total budget; \$225,000). I led the writing effort and submitted the proposal to NSF. The project goal is to develop educational modules for teaching research ethics to graduate students. My Co-PIs are Steven P. Nichols and Ora C. Moore (Professor and Sr. Lecturer, respectively, in Mechanical Engineering). This work extends the successful implementation of educational modules for undergraduate engineers, developed as part of the PRiME (Professional Responsibility Modules in Engineering) project, funded by the UT College of Engineering. Co-directors of PRiME are H. Hart and O.C. Moore.

CURRENT UNSPONSORED/DEPARTMENTAL RESEARCH

- Investigating the social impact of technology, especially with regard to gender differences in the design, use, and social camouflage of technologies. Co-developed and taught (with Philip Doty) a brand-new interdisciplinary graduate course in this area.
- Collecting data on the state of practice of technical communicators. Assessing and describing changes in the workplace wrought by globalization, localization, digitalization, and the increased expectations of technology users.

GRANTS AND CONTRACTS (dollar amounts in parentheses are my portion of joint projects)

Co-PIs: H. Hart, S. Nichols, C. Moore	"The Foundations of Research Ethics for Engineers"	NSF	\$225,000 (\$75,000)	1/07-12/08
Co-PIs: R. Corsi, J. Siegel	"Indoor Environment" IGERT	NSF	\$2,868,490 (\$9,375)	6/06-5/07
Co-PIs: H. Hart, C. Moore	"Continuing the PRiME Project"	Chair of Free Enterprise	\$26,588 (\$13,294)	9/05-8/06
Co-PIs: H. Hart, C. Moore	"Continuing the PRiME Project"	College of Engineering (CoE)	\$10,000 (\$5,000)	9/05-5/06
PI: D. Lawler	"Filtration Module: Providing Training Materials for Inspectors"	TX Commission on Environmental Quality (TCEQ)	\$99,700 (\$30,000)	5/04-8/05
Co-PI's: H. Hart, C. Moore	"Professional Responsibility Modules for Engineering"	College of Engineering	\$53,796 (\$26,598)	6/04-5/05
PI: D. Lawler	"Disinfection Module: Providing Training Materials for Inspectors"	TCEQ	\$20,000 (\$10,000)	6/03-6/04
Co-PIs: H. Hart, C. Moore, D. Randall	"Developing Teaching Modules on Engineering Ethics"	Center for Lifelong Engineering Education (CoE)	\$20,000 (\$5,000)	8/01-1/02
Co-PIs: H. Hart, S. Kinnas, J. Rossett	"Electronic Classroom on Ocean Wave Theory"	NSF	\$164,463 (\$82,230)	6/98-5/01
PI: R. Charbeneau	"Risk Characterization for a MOX Fuel Facility at Pantex Plant"	Amarillo National Center for Research on Plutonium (ANCRP)	\$148,433 (\$15,000)	1/98-1/99
PI: H. Hart	"Risk Communication Research"	BP Oil Co.	\$32,258	9/97-9/98
PI: R. Charbeneau	"MOX Fuels"	ANCRP	\$135,956 (\$10,000)	1/97-1/98
		PROJECT TOTAL	\$3,804,684	
		HART TOTAL	\$ 313,755	

PH.D. SUPERVISION

Catherine R. Dolan, *Critical Issues in Technical Communication Instruction: A Preliminary Investigation into the Beliefs, Opinions and Attitudes of Members of the Aerospace Engineering Field*, 1991. Co-supervisor: Diane Schallert.

Graduate Student Supervision and Committees

Student	Degree	Committee Position	Degree Program	Completion Date
Catherine R. Dolan	Ph.D.	Co-Supervisor	Foreign Language Education	August 1991
Stephen L. Katz	M.S.E.	Member	Environmental Health Engineering	August 1991
Carolyn E. Nobel	M.S.E.	Member	Civil Engineering	August 1998
Yetkin Yildirim	Ph.D.	Member	Civil Engineering	May 2000
Dennis Lozano	M.S.E.	Co-Supervisor	Civil Engineering	August 2004
Jennie S. Saviers	M.S.E.	Co-Supervisor	Environmental and Water Resources Engineering (EWRE)	December 2005
Jason Fialkoff	M.S.E and M.S.	Co-Supervisor	EWRE/Public Policy	

Post doctoral fellows supervised: None

VITA

A Fellow of the Society for Technical Communication, Dr. Hillary Hart has been a faculty member since 1987 in the Department of Civil, Architectural and Environmental Engineering at The University of Texas at Austin. She created and runs the CAEE program in Technical Communication, teaching over 120 undergraduate and 15 graduate engineering students yearly. In 1996, Dr. Hart inaugurated a new graduate course, never before taught at UT, called Advanced Technical Communication for Engineers (CE 389C). The course is designed to help graduate students from all over the College write, publish, and disseminate their research work and results in many different forms. In 2007, she developed and co-taught (with Kerry Kinney) another new graduate course, IGERT Indoor Environment Technical Exchange (CE 397).

Dr. Hart's research interests include environmental and risk communication, the social impact of technology, and engineering ethics (especially research ethics). Her objective in pursuing research in Environmental Risk Communication is the development of strategies (rhetorical and otherwise) to ensure productive, interactive communication among engineers, regulators, industry, and the public on environmental issues. She also investigates Risk Communication as an integral part of Risk Management. Her interest in the social impact of technology resulted in spring 2006 in a new graduate course she team-taught with Dr. Philip Doty: *Gender, Technology, and Information* (GRS 389C). Her work in engineering ethics has focused mainly on developing educational modules to teach engineering ethics to undergraduates and research ethics to graduate students. She is currently the co-director of PRIME (Professional Responsibility Modules in Engineering) and a co-PI on a two-year National Science Foundation grant to produce strategies and materials for integrating research ethics into existing Engineering graduate courses.

She has conducted risk-communication research for BP-Amoco Corp. and for the Amarillo National Resource Center for Plutonium. Dr. Hart has been a research fellow with the Construction Industry Institute and a senior research associate with the Center for Research in Water Resources. She conducts short courses and workshops for a diverse selection of clients, including public agencies (the Texas Water Development Board) and corporations (Object Reservoir, Inc.).

Dr. Hart teaches the upper division Technical Communication course required of all undergraduate civil and architectural engineering students. She developed an electronic writing lab that pioneered the use of writing-process software in an engineering curriculum. In 1995, Dr. Hart was awarded the UT College of Engineering award for Excellence in Engineering Teaching within the Department of Civil Engineering,

and in 1997, she received a Faculty Excellence Award from the Graduate Engineering Council of UT Austin.

Dr. Hart is active in many professional societies and associations. She has served her primary professional affiliation, the Society for Technical Communication (STC), at the local and international levels for many years. She served as President of the Austin chapter in 1992, and managed the STC international committee on Academic Program Development for two years (1993-95) and the Special Interest Group on Environmental Health and Safety Communication for six years (1998-2004). In 1998, she received the Distinguished Chapter Service Award from STC, and in 2008 she was made a Fellow (an award made to fewer than .5% of STC's members). Also in 2008, she was awarded the coveted President's Award for "your wisdom, strength of character, and commitment to ensuring that STC members from various backgrounds work as partners." Currently, she co-chairs the STC Body of Knowledge Task Force.

She is also a member of the Council on Programs in Scientific and Technical Communication and the Association of Teachers of Technical Writing as well as the American Association of Engineering Education. In 2006 she became a member of the Center for Academic Integrity at Duke University.