

**VITA**  
(Revised 12/30/09)

Name: Charles Edwin Harris, Jr.

Place of Birth: Nashville, Tennessee

Date of Birth: June 21, 1938

Marital Status: Divorced, 2 children

**Educational Background**

1960      Vanderbilt University, Nashville, Tennessee  
A.B. in Biology (minor in Chemistry)

1964      Vanderbilt University, Nashville, Tennessee  
Ph.D. in Philosophy (minor in Psychology)

**Academic Honors and Administrative Positions**

1970      Danforth Associate

1976-77    Acting Head, Department of Philosophy Texas A&M University

1990-96    Associate Department Head, Department of Philosophy, Texas A&M University

2004      Sue and Harry Bovay Professor of the History and Ethics of Professional  
Engineering

**Memberships in Professional Societies**

American Philosophical Association  
Southwestern Philosophical Society  
Association for Practical and Professional Ethics

### **Employment and Teaching Record**

- 1964 Instructor, Humanities Department, Southwest Texas State University
- 1965-67 Assistant Professor, Department of English and Phil.  
Southwest Texas State University, San Marcos
- 1967-74 Assistant Professor, Department of Philosophy Texas A&M University
- 1975- Associate Professor, Department of Philosophy Texas A&M University
- 2004- Professor, Department of Philosophy Texas A&M University

### **Campus and Professional Activities**

- 1972-73 State Executive Committee, Texas Association of College Teachers
- 1977-78 Vice President, Texas A&M Chapter, Texas Association of College Teachers
- 1977-78 Campus Advisor, Canterbury Association
- 1978-79 President, Texas A&M Chapter, Texas Association of College Teachers
- 1981-83 Host, Hospitality International
- 1984 Chairperson, American Philosophical Association Session, Spring Meeting
- 1984 Chairman, Texas A&M Committee on Academic Freedom, Tenure and Responsibility
- 1984 Chairman, Philosophy Headship Search Committee
- 1985 Conference on Business ethics - Organized and presented commentary on cases
- 1985-87 Leadership of Business Ethics Sections, TAMU Executive Development Seminars  
(June 1985, 1986, 1987; February, 1987; October, 1987)
- 1988-89 Chairman, Curriculum Committee, College of Liberal Arts
- 1989 Campus-Wide Smoking Committee
- 1990-96 Associate Department Head

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| 2002 | Member, Bovay Chair Search Committee                      |
| 2004 | Chair, Ph.D. Ethics Exam Committee                        |
| 2004 | Chair, Derek Darby Tenure Committee                       |
| 2008 | Member, Race Theory Search Committee                      |
| 2009 | Member, Texas A&M Faculty Senate                          |
| 2009 | Member, Gary Varner Promotion Committee (Research Report) |
| 2009 | Member, Colleen Murphy Tenure Committee (Teaching Report) |
| 2009 | Member, Department Head Advisory Committee                |

### **Grants and Stipends**

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| 1969 | \$1,850 grant from the College of Liberal Arts Summer Discretionary Research Fund to study "Wittgenstein and Induction."  |
| 1973 | College of Liberal Arts Summer Research Stipend of 2,000 to study The Immoral and the Nonmoral."  |
| 1974 | \$1,540 from the Council for Philosophical Studies and the Texas A&M Mini-Grant Committee to attend the Institute on Moral Problems in Medicine, Haverford College.   |
| 1975 | College of Liberal Arts Summer Research Stipend of \$2,000 to study "Can Agape Be Universalized?"   |
| 1980 | \$3,700 from the Center for Education and Research in Free Enterprise to study "The Moral and Metaphysical Status of Natural Inequalities."   |
| 1986 | Biotechnology Grant, TAMU, \$9609.56, to develop moral guidelines for aborting defective fetuses.   |
| 1990 | Grant from the National Science Foundation of \$107,730 to introduce ethics case studies into required undergraduate engineering courses. Principal Investigators: Charles E. Harris, Jr., Michael Rabins (Mechanical Engineering), Raymond W. Flumerfelt (Chemical Engineering), Charles H. Samson (Civil Engineering) |
| 1992 | Grant from the National Science Foundation for \$10,000 to conduct an   |

"Engineering Ethics Component" in connection with the Undergraduate Research Program (REU Site EID-9100966), June-August, 1992. Principal Investigator: L.S. Fletcher. Senior Personnel: C. E. Harris and M. J. Rabins.

- 1993 Grant from the National Science Foundation for \$46,432 to finance the development and presentation of a workshop to train engineering instructors to teach sections of an engineering ethics course.
- 1994 Grant from the National Science Foundation for \$75,172 to hold a summer workshop in August of 1995 to develop cases in engineering ethics with numerical problems, so they can be used in quizzes and homework assignments in engineering courses. Principal Investigators: Charles E. Harris and M. J. Rabins...
- 1998 Developmental Leave funded by Texas A&M, Fall, 1997
- 2008 Grant from the National Science Foundation for \$254,748. Principal Investigators: Paolo Gardoni (Civil Engineering), Eric Lindquist (Institute for Science, Technology and Public Policy), Colleen Murphy (Philosophy), and Charles E. Harris, Jr. (Philosophy) Title: "Development of Educational Materials for and a Pilot Graduate Course in Engineering Ethics." National Science Foundation Grant 08-530.

### **Other Professional Activities**

- 1999 Reader, grant proposals, National Science Foundation
- 1999- Reader for Science and Engineering Ethics
- 1999- Reader for Societal Dimensions Program, National Science Foundation
- 2000- Reader for IEEE Science and Technology Magazine
- 2002 National Academy of Engineering, Committee for Creating a Library of Cases for Engineering Ethics
- 2004- Reader for Technology and Human Values
- 2008- Reader for *Ethics and Information Technology*
- 2009 Reader for *Teaching Ethics to Chemical Engineers*

## Books

Applying Moral Theories, Fourth Edition (Belmont, CA: Wadsworth, 2009) .

Practicing Engineering Ethics. With M. J. Rabins and M.S. Pritchard. (New York: Institute of Electrical and Electronics Engineers, 1997)

Engineering Ethics: Concepts and Cases. With M. J. Rabins and M.S. Pritchard, Fourth Edition (Belmont, CA: Wadsworth, 2005) Translated into Japanese, Korean and Chinese.

## Articles, Chapters, Reviews and Published Presentations

"The Problem of Induction in the Later Wittgenstein," The Southwestern Journal of Philosophy, Spring, 1972, Vol.pp.135-146.

"Rawls on Justification in Ethics," The Southwestern Journal of Philosophy, Summer, 1974, pp. 135-143.

"Paternalism and the Enforcement of Morality," Southwestern Journal of Philosophy, Summer, 1977, pp.85-93.

"Love as a Basic Moral Principle in Paul Ramsey's Ethics," The Journal of Religious Ethics, Fall, 1976, pp.239-258.

"Can Agape Be Universalized?" The Journal of Religious Ethics, Vol. 6, No.1 (1978), pp. 19-31.

"Kant, Nozick, and the Minimal State," The Southwestern Journal of Philosophy, Summer, 1979, pp. 179-187.

Review of The Emergence of Norms by Edna Ullmann-Margalit. Religious Studies Review, 1979, pp. 149-150.

"Comment on Richard Eggerman on "Kant and Happiness," Southwestern Journal of Philosophy, 1980, p. 159.

"Capitalism and Social Justice," The Intercollegiate Review, 1984, pp. 35-49.

"Reply to Tibor Machan," The Intercollegiate Review, 1984, pp. 66-68. Applying Moral

Theories (Belmont, Calif.: Wadsworth, 1986) Second Edition, 1991

"Ethics, the Law, and the Managerial Process" in Meiners, Ringleb, and Edwards, The Legal Environment of Business 4th Edition, (St. Paul: West Publishing Co. 1990)

"Aborting Abnormal Fetuses: The Parental Perspective" Journal of Applied Philosophy, Vol. 8, No. 1, 1991.

"Manufacturers and the Environment: Three Alternative Views," Proceedings of the First International Congress on Environmentally Conscious Manufacturing (Albuquerque, New Mexico: ECM Press, 1992), pp. 195-203.

Review of Mortimer R. Kadish. Toward an Ethic of Higher Education. Stanford: Stanford University Press, 1991. Social Science Quarterly, Vol. 73, No. 4, pp. 67-68 (December, 1992).

"Teaching Ethics to Engineers" with M.J. Rabins in the Proceedings of the 1992 Frontiers in Education Conference (Nov. 11-14, 1992, Nashville, Tenn.) edited by Lawrence P. Grayson, pp. 73-78. [The Proceedings were published in November, 1992.]

"Two Methods for Ethics Case Analyses" with M.J. Rabins in the Proceedings of the 1993 Frontiers in Education Conference (Nov. 6-9, 1993), Washington, D.C.) edited by Lawrence P. Grayson, pp. 411-414. Published in November, 1993.

"Professional Ethics and Controlling Risks," with M.J. Rabins and M.S.Pritchard. Presented at the American Society of Mechanical Engineers, Winter Annual Meeting, New Orleans, La., November 28-December 3, 1993. Extended abstract published as 93-WA/DSC-7.

"Teaching Control Engineering with a Preventive Ethics Slant." With M.J. Rabins in IEEE Control Systems Magazine, June, 1993, pp. 8-11. [Triple column pages.]

"Controls, Risk and Education." With M. J. Rabins. Keynote address for the IFAC (International Federation for Automatic Controls) on "Advances in Control Education." Tokyo, Japan, August, 1994. Published in the Proceedings of the Symposium. Reprinted in IFAC's Control Engineering Practice. Vol. 3, No. 5, May 1995.

"Engineering Ethics: What? Why? How? and When?" With M.J. Rabins, M.S. Pritchard and M. J. Davis. Journal of Engineering Education, April, 1996, pp.1-4. [Double columns. Responsibility for one-fourth of the original paper and for extensive revision of the paper for publication.]

"Explaining Disasters: The Case for Preventive Ethics" in IEEE Technology and Society Magazine, Vol. 14, No 2, Summer 1995, pp. 22-27 (double-column pages). Reprinted in Social, Ethical, and Policy Implications of Engineering: Selected Readings, ed. by Joe Herkert (New

York: IEEE Press, 1999). Reprinted in Engineering Ethics, ed. By Michael Davis, Ashgate, forthcoming.

"Two Approaches to Introducing Professionalism and Ethics Into the Engineering Curriculum." With M. J. Rabins. Presented at the 4th Annual World Conference on Engineering Education, St. Paul, MN, October 15-20, 1995. Published in the Proceedings, pp. 40-42.

"Introducing Ethics and Professionalism in REU Programs." With W. C. Daugherty and M.J. Rabins. Presented at the 4th Annual World Conference on Engineering Education, St. Paul, MN, October 15-20, 1996. Published in the Proceedings,

"The Ethics of Modeling." With M.J. Rabins. Keynote address for the IFAX (International Federation of Automatic Controls) Symposium, Gold Coast, Australia, July 3, 1995. Printed in the IFAX Proceedings, Pergamon Press, 1995, pp. 1-8. Also published in Control Engineering Practice, Vol. 5, No. 4, April, 1997.

Engineering Responsibilities In Lesser-Developed Nations: The Welfare Requirement" Science and Engineering Ethics, Volume 4, Issue 3, 1998.

Commentary on: The Greening of Engineers: A Cross-Cultural Experience," Science and Engineering Ethics, Vol. 7, No. 1, 2001.

Critical Review of Mike Martin's Meaningful Work in Professional Ethics, Vol. 5, No. 4, 2002.

Engineering Ethics: An Overview, with M.J. Rabins and Michael S. Pritchard, Encyclopedia of Science, Technology, and Ethics, ed. by Carl Mitcham, Macmillan, forthcoming.

"Internationalizing Professional Codes in Engineering," Science and Engineering Ethics, Vol. 10, No. 3, 2004.

"Reflective Equilibrium as a Theory of Moral Change," Southwest Philosophy Review, Vol. 21, No. 2, July, 2005.

"U.S. Engineering Ethics: Early Themes and New Directions," Annals of Engineering Studies, Issue 3, 2006. Beijing Institute of Technology Press."

Preface to Chinese translation of *Engineering Ethics: Concepts and Cases*, 2006.

"The Good Engineer: Giving Virtue its Due in Engineering Ethics," Science and Engineering Ethics. Vol. 14, pp. 153-164, 2008.

“Is Moral Theory Useful in Practical Ethics?” and “Reply to Michael Davis,” *Teaching Philosophy*, Vol. 10, No. 1, December 2009

### **Presentations**

"A Course in Engineering Ethics." Presented to the Conference for Engineering Deans, sponsored by the Murdough Center for Engineering Professionalism and the Texas State Board of Registration for Professional Engineers in Austin, Texas, June 1991.

"Engineers and Managers." Presented at the meeting of the Society of Philosophy of Technology, Portland, Oregon, 1992.

"Ethical Reasoning in Engineering." Presenting at the "Workshop: Faculty Leadership in Professionalism and Ethics," sponsored by the Murdough Center for Engineering Professionalism and the Texas State Board of Registration for Professional Engineers in Austin, Texas, June, 1992.

“Four Factors in Moral Change: A Basis for Moral Analysis.” Presented at the Association for Practical and Professional Ethics, Washington, D.C., February, 2000.

“ASME Ethics Internationalized.” Presented to the Board of Professional Practice of the American Society of Mechanical Engineers, New Orleans, November 2002.

“Ethics Across Boundaries: Decision Frameworks Applied to Real Engineering Management Situations.” Presented at the ASME-International Congress, New Orleans, November 2002.

“Reflective Equilibrium as a Working Theory in Applied Ethics.” Presented at the Twelfth Annual Meeting of the Association for Practical and Professional Ethics, February, 2003, Charlotte, N.C.

“Ethical Methodology for Case Studies in Engineering Ethics.” Invited paper presented at a conference on Engineering Technologies and Ethical Issues, Washington, D.C., October 14-15, sponsored by the National Academy of Engineering.

“Engineering Ethics: Increasing Engineers’ Sense of Professional Identity.” Presentation and discussion at the 58<sup>th</sup> Annual Instrumentation Symposium for the Process Industries. Texas A&M University, January, 2003, January 2004.

Research Experience for Undergraduates, Sun-River Resort, Washington, August 7-12, 2003. Presentation and student workshop on engineering ethics.



“Engineering Ethics,” Presentation at Summer REU Workshop, TAMU, July, 2004 and at the Texas Section of the American Society of Agricultural Engineers, Huntsville, Texas, October, 2004.

“Methods for Analyzing and Solving Cases in Engineering Ethics,” IEEE Engineering Ethics Education Workshop, January 13-16, 2004, Langkawi, Malaysia.

Panel on Engineering Ethics, Instrumentation Symposium, Texas A&M University

Research Experience for Undergraduates. Presentation at Texas A&M University, June 15, 2005. Presentation in Reno, Nevada, August, 2005.

Interviews for *Professional Engineer* on Hurricane Katrina (May, 2006) and with the *New York Times* on Hurricane Katrina (June, 2006)

“Impact of Engineering Ethics on Safety Culture.” Presentation at the spring national meeting of the American Institute of Chemical Engineering, Orlando, Florida, April 2006.

“Engineering Ethics.” Presentation to the Research Experience for Undergraduates, Sun River Resort, Oregon, August 2006.

“Science and Technology Studies, Philosophy of Technology, and Engineering Ethics.” Presentation at the Annual meeting of the Association for Practical and Professional Ethics, Jacksonville, Florida, March 2006.

“The Good Engineer: Outline of a Program for Introducing Virtue Ethics into Engineering Ethics.” Presentation at Cornell University, October, 2006.

“Engineering Ethics: Some History and Suggestions About the Future.” Presented at a conference, “A Challenge in Science and Engineering Education: Assessment and Evaluation of Moral Reasoning,” January 12, 2007. Sponsored by the Applied Ethics Center for engineering and Science, Kanazawa Institute of Technology. Presented in Tokyo, Japan.

Panel on engineering education at American Society of Engineering Education in Brownsville, Texas, March 28, 2007.

Three presentations at the annual meeting of the Association for Practical and Professional Ethics, San Antonio, Texas, February 21-24, 2008. (1) Commentary on “Good Computing” by Chuck Huff, Laura Barnard, and William Frey. (2) “Engineering Ethics: From Preventive Ethics to Aspirational Ethics.” (3) “The Good Engineer: Outline of a Program for Introducing Virtue Ethics into Engineering Ethics.”

“New Directions in Engineering Ethics: From Preventive Ethics to Aspirational Ethics.” Presented at the Environmental Trade Fair and Conference, sponsored by the Texas Commission

on Environmental Quality, May 1, 2008, Austin, Texas. This presentation was attended primarily by professional engineers to fulfill their one-hour annual ethics requirement to maintain their P.E. license.

“Engineering Ethics: From Preventive Ethics to Aspirational Ethics.” Presented at the Royal Academy of Engineering, London, November 10-12, 2008.

“Engineering Ethics: From Preventive to Aspirational Ethics,” public lecture at Texas A&M Qatar, October, 2009.

“Engineering Ethics: From Preventive to Aspirational Ethics,” Presented at the Austin Chapter meeting of the Structural Engineering Association of Texas, Austin, Texas, September, 2008. This presentation was attended primarily by professional engineers to fulfill their one-hour annual ethics requirement to maintain their P.E. license.

“Is Moral Theory Useful in Applied Ethics?” Presentation at the Annual Meeting of the Association for Practical and Professional Ethics, Cincinnati, Ohio, March 5-7, 2009.