

CURRICULUM VITAE
(Short Form)
STEVEN LOUIS GOLDMAN

Addresses

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Education

Boston University, Ph.D., Philosophy (1971), M.A. (1966).
University of London, University College (1963-1964).
Polytechnic Institute of Brooklyn, B.S., Physics (1962).

Academic Positions

Lehigh University, Bethlehem PA: Andrew W. Mellon Distinguished Professor in the Humanities, Professor of Philosophy and History, (1977----).
(Director, Lehigh University Science, Technology & Society Program, 1977-1988.)

Pennsylvania State University, University Park PA: Assistant Professor, Department of Philosophy (1969-1977).

SUNY Stony Brook: Visiting Director, Colloquium in History and Philosophy of Science (1971-1972).

New School for Social Research, NYC: Instructor, Master of Arts in Liberal Studies Program, Graduate Faculty of the Political and Social Sciences, (1967-1969).

CUNY Baruch College, NYC: Instructor, Department of Philosophy, (1968-1969).

National Science Foundation Summer Institutes in the History and Philosophy of Science: Associate Director, Pennsylvania State University (1969). Co-Director, Western Michigan State University (1970).

Professional Activities

Chief Operating Officer and Chief Technical Officer, Agility Forum, Lehigh University, June 1995-Jan. 1997.

Sigma Xi National Lecturer, 1990-1992.

GTE Lecturer on Technology and Ethics, and Visiting Scholar, North Central College, Naperville, IL., February 1992.

Lilly Foundation Scholar in Residence, Monmouth College, June 1990.

Board of Directors: Iacocca Institute, Lehigh University, 1988-1997

National Association for Science, Technology and Society, 1987-1990;

Committee for the Understanding of Technology In Human Affairs, 1982-1991;

Center for Philosophy and Technology, Polytechnic University, New York, 1984-1990.

National Board of Consultants, National Endowment for the Humanities, 1982—1988.

Member, National Committee on Science and Society, Sigma Xi, 1988-1991.

Faculty-Member-In-Residence, WISE (Washington Internship for Students In Engineering) Program, Washington, DC. American Society for Engineering Education, Summer 1987.

Visiting Scholar:

Converse College, Spartanburg, SC, April 1988; William Paterson College, Wayne, NJ, January 1986; Clemson University, Clemson, SC, March 1983.

Fellow, Center for Technology Studies, New Jersey Institute of Technology, 1987-1989.

Consultant: New Jersey Dept. of Higher Education-[FICE Project] 1984-1987.

National Advisory Committee, National Science Foundation, Science Through Science, Technology, and Society, 1984-1987.

Principal Investigator and Project Director, National Science Foundation Grant *Elements of Technology In a Liberal Education*, Lehigh University, 1981-1984.

Editorships:

Series Co-Editor, *Research In Technology Studies*, Lehigh University Press, 1985~.

Co-Editor, *Bulletin of Science, Technology and Society* (The Pennsylvania State University) 1981—1997.

Editorial Boards:

Agility and Global Competition, John Wiley, 1997--1999.

Human Factors in Manufacturing, John Wiley, 1997--.

Lehigh University Press, 1986--1998.

Professional Memberships:

American Philosophical Association
History of Science Society
International Society for the Study of Time
National Association for Science, Technology and Society
Philosophy of Science Association
Sigma Xi

Awards:

Who's Who In America.

Christian R. & Mary F. Lindback Distinguished Teaching Award, Lehigh University, 1990.

Book-of-the-Year, Health Information and Management Systems Society, 1998.

Work in Progress:

Avoidance of the Concrete: Philosophy, Engineering and Western Culture, contract with Indiana University Press for publication in its philosophy of technology series, Don Ihde general editor.

The Emergence of Modern Science, 1500-1700. An evolving Web-based database on the Classical, Medieval and Non-Western contributions to, and the contemporary social and cultural influences on, the emergence of modern science and its accomplishments in the period 1500-1700. The development of this database is an ongoing joint undergraduate research project incorporated into the offerings of History 145 (Introduction to the History of Modern Science).

Early Modern Science 1500-1700: Product and Process, a text based on the design of the database above. Projected completion 2002.

Books:

Agility in Health Care: Strategies for Mastering Turbulent Markets, Co-Editor (with Carol Graham) and contributor, Jossey-Bass, 1998.

Cooperate to Compete: Building Agile Business Relationships, Co-Author (Kenneth Preiss, Steven L. Goldman, Roger N. Nagel), Van Nostrand Reinhold, 1996 [now John Wiley].

Agile Competitors and Virtual Organizations: Strategies for Enriching the Customer, Co-Author (Steven L. Goldman, Roger N. Nagel, Kenneth Preiss), Van Nostrand, 1995. [This book has been translated into ten languages and was one of four finalists for the *Financial Times* best North American Management book of 1995. It has been reissued by John Wiley.]

Competitiveness and American Society, editor. Vol. 7 In Research In Technology Studies Series (Bethlehem, PA: Lehigh University Press, 1993).

New Worlds, New Technologies, New Issues, Co-Edited with Stephen H. Cutcliffe Manuel Medina and Jose San Martin, Lehigh University Press, 1992. [Published in Spain as *Nuevas Mundos, Nuevas Technologies, Nuevas Perspetivas* (Valencla, Spain: Anthropos).

Science, Technology and Social Progress, editor. Vol. 2 In Research In Technology Studies Series (Bethlehem, PA: Lehigh University Press, 1989).

The Interrelation of Science, Philosophy and Religion, a text commissioned by the National Science Foundation, Pennsylvania State University Press, University Park 1983.

A Concise Text for Elementary Symbolic Logic, Pennsylvania State University, University Park, 1977. [This book continues in use today (1999) as the core required text for the Penn State Continuing Ed. version of the introductory symbolic logic course.]

Monographs/Reports

Enabling the Next Generation Enterprise, a reference monograph for the Society for Management Accountants of Canada, the American Institute for Certified Public Accountants, and the Consortium for Advanced Manufacturing-International, 2000.

21st Century Manufacturing Enterprise Strategy: An Industry-Led View, editor, Vol. 1, Iacocca Institute, Lehigh University, 1991.

The History of Engineering Education: Perennial Issues In the Supply and Training of Talent, a study commissioned by the Office of Technology Assessment in support of Congressional funding bills for engineering education in fiscal year 1989 and published in *Educating Scientists and Engineers: Grade School to Grad School*, Office of Technology Assessment. (Springfield, VA: National Technical Information Service). March 1988, pp. 244-305.

Articles (Selected)

Post-modern Production and STS: A Revolution Ignored, in *Visions of STS*, Stephen H. Cutcliffe and Carl Mitcham, editors, Roman and Littlefield, volume accepted for projected publication in Fall 2000. [This article is published under the pseudonym Wilhelm Fudpucker.]

Management, technology and agility: the emergence of a new era in manufacturing”, with Roger N. Nagel, *International Journal of Technology Management*, vol. 8, nos. 1/2, 1993.

A History of Engineering Education and Institutes of Technology: United States., in Burton R. Clark and Guy Neave, eds., *International Encyclopedia of Higher Education*. 1992, pp. 1106-1117.

No Innovation Without Representation: Technological Action in a Democratic Society, in *New Worlds, New Technologies, New Issues*, see Books, above.

The Social Captivity of Engineering., In Paul Durbin, ed., *Critical Perspectives on Nonacademic Science and Engineering*, Vol. 4 In Research In Technology Studies Series. (Bethlehem, PA: Lehigh University Press, 1991), pp. 12145.

Should the Public Have a Voice In Technological Development: Technological Action In a Democratic Society?. *USA Today Magazine*, Vol. 120, No. 2558, (November 1991): 62-64.

Who Killed Yankee Ingenuity?. Essay for National Academy of Sciences Op-Ed Service, August 1990. Published in over 80 newspapers nationwide and selected for inclusion in *Headline Views, Science News: Expert Opinions on Today's Top Issues*, David Jammul, ed., National Academy Press, Washington, DC, 1991.

Science, Technology and God: In Search of Believers., *Bridges*, Vol. 2, No. 1/2 (Spring/Summer 1990): 43-56.

La Realidad del Progress, In *El Independiente*, Madrid, Spain, special supplement on technology and society, March 18, 1990.

Images of Science and Technology In Popular Films, *Science, Technology and Human Values*, Vol. 14, No. 3 (Summer 1989), 275-301.

Philosophy, Engineering, and Western Culture., In Paul T. Durbin, ea., *Broad and Narrow Interpretations of Philosophy of Technology*, (The Netherlands: Kluwer Academic Publishers, 1990), pp. 125-152.

The Humanities In Science and Engineering Education., Carnegie Communications Corporation, 1988. Reprinted often.

On the Incommensurability of Science and Religion., *Working Papers Series*, No. 1, TSRC, Lehigh University. August 1984.

The Techne of Philosophy and the Philosophy of Technology, In Paul Durbin, ed., *Research in Technology and Society*, Vol. 7. (Greenwich, CT: JAI Press, 1984). 115-144.

Modern Science and Western Culture: The Issue of Time, *Journal for the History of European Ideas*. Vol. 3, No. 4, (Fall 1982), 61-88.

On the Interpretation of Symbols and the Christian Origins of Modern Science, *The Journal of Religion*. Vol. 62, No. 1, (Jan. 1982). 1-21.

Science, Philosophy and Religion In the Seventeenth Century, In *The Impact or Science and Technology on Society and Religion*, Joseph Kockelmans, ed. (University Park, PA: Pennsylvania State University Press, 1982). 1-26.

On the Beginnings and Endings of Time In Medieval Judaism and Islam., In *The Study of Time*, volume 4, J. T. Fraser, et al, eds. (New York: Springer-Verlag, 1981). 59-72.

Science, Society and Engineering: The Coming Crisis., *Bulletin of Science, Technology and Society*. Vol. 1 (1-2). 1981. 23-27.

Revolution at Home and Abroad: Science and Technology In the Period 1870-1910, Public Committee for the Humanities In Pennsylvania. Reprinted *Anthro/Tech Publications*. Vol. iv, No. 2. (1980).

Responsibility and the Technological Process., *Technology in Society*. Vol. 1, No. 4. (1980). 275-286.

The Roots In Science of Anti-Science., *Proceedings, Pennsylvania Academy of Sciences*. Vol. 53. (1979). 25-28.

Present Strains on the Relations Between Science, Technology and Society, In Proceedings of NASA Conference, Nov. 15, 1978. Reprinted In *Science, Technology and Human Values*. No. 27, (Spring 1979). 44-51.

The Metaphysics of Objective Reason, *Science/Technology and the Humanitie*, Florida Institute of Technology. (September 1978).

Medical Technology and Human Values., *Medicine and Ethics*. Public Committee for the Humanities In Pennsylvania. Mansfield, PA: Mansfield State College. May, 1978. 11-19.

John Dee's Mathematical Preface, *Transactions* (contributed papers), Fifth International Congress for Logic, Methodology and the Philosophy of Science. (1976) 21 -22.

Alexander Kojève on the Origin of Modern Science: Sociological Modeling Gone Awry., *Studies In the History and Philosophy of Science*. Vol. 6, No. 2, (1975). 113-124.

Beyond Freedom and Dignity: The Inside Story, *Philosophy and Rhetoric*. Vol. 7, No. 1. (1974) 5849.

Lectures/Papers/Seminars

Since 1991, over 60 keynote presentations, lectures, or seminars at national or international conferences, at universities in the U.S., Sweden, Holland, Israel, Singapore and Canada, at industry association meetings, corporations and public agencies.

Between 1969 and 1991, over 50 (invited) lectures/seminars on subjects in the history and philosophy of science at universities in the U.S., Europe, and Israel and at national and international academic conferences.

Book Reviews

An average of two book reviews a year since coming to Lehigh in 1977, many in leading professional journals.