

Following personal information about and publication list of Henry Etzkowitz were sent by himself on 21st April, 2006, upon the requisition of www.inovasyon.org.

HENRY ETZKOWITZ

email: henry.etzkowitz@ncl.ac.uk

EDUCATION:

University of Chicago, History, B.A. 1962
New School for Social Research, Sociology, Ph.D. 1969
University of Michigan, Survey Research, Summer 1983
Post-doctoral work: Sociology of Science, Columbia University, 1983-1985 (with R.K. Merton)

RESEARCH & TEACHING INTERESTS:

Triple Helix (University-Industry-Government Relations), Entrepreneurial University, Innovation Policy, Women and Minorities in Science, Science-based Regional Development

POSITIONS:

Chair, Management of Innovation, Creativity and Enterprise, Business School, University of Newcastle upon Tyne, 2005-

Visiting Professor, Department of Technology and Society, School of Engineering and Applied Sciences, Stony Brook University (SUNY), 2005-

Visiting Scholar, Office of Technology Licensing, Stanford University, Spring 2005

Asst., then Associate Professor of Sociology, State University of New York, Purchase, 1972-2005

Visiting Professor, Research Policy Institute, Lund University, Summer, 2003

Visiting Professor, University of Rio Grande del Sul, Porto Alegre, Brazil, Summer 2002

Research Professor, School of Management, Rensselaer Polytechnic Institute, 1988-1994

Visiting Professor of Sociology, University of Colorado, Boulder, Spring, 1982.

Assistant Professor of Sociology, Washington University, St. Louis, 1969-1972.

Peace Corps Volunteer, Bornu Secondary School, Maiduguri, Nigeria, 1962-64.

PUBLICATIONS:

Books:

Triple Helix: A New Model of Innovation, Stockholm: SNS Press, 2005 (in Swedish) Chinese version: Beijing: Peoples Press, 2005; English version: under review

MIT and the Rise of Entrepreneurial Science. London: Routledge, 2002

Athena Unbound: The Advancement of Women in Science and Technology (with Kemelgor and Uzzi)
Cambridge University Press, 2000

Public Venture Capital (with Gulbrandsen and Levitt) New York Harcourt, 2000 (2nd ed 2001)

Capitalizing Knowledge: New Intersections of Industry and Academia ed. (with Andrew Webster and Peter Healey) State University of New York Press, 1998

Transforming Science and Technology Systems - the Endless Transition? ed. (with Werner Meske, Judith Mosoni-Fried and Gennady Nesvetailov NATO Science Series 4, 1998

Universities in the Global Knowledge Economy ed. (with Leydesdorff) London: Continuum, 1997

The Renaissance of Sociological Theory ed. (with Glassman) Itasca, Illinois: Peacock Press, 1991.

Is America Possible? ed. St. Paul: West Publishing Co. 1974, 2nd edition 1980.

Ghetto Crisis: Riots Versus Reconciliation (with Gerald Schaflander), Little, Brown, 1969

Articles:

Making Science Cities: the Triple Helix of Regional Growth and Renewal, Under Review

Intellectual property regimes and the entrepreneurial academic transition in four countries (with Benner, Guarany, Maculan and Kneller), Under Review

Bottom Up Triple Helix: Science Policy in the States of the United States (with Dziseh) Under Review

Triple Helix Twins: Innovation and Sustainability (with Zhou) *Science and Public Policy* Feb, 2005

“Women in Science: A Fair Shake? (with Gupta) *Minerva*, In Press

Towards ‘meta-innovation’ in Brazil: The evolution of the incubator and the emergence of a triple helix (with Mello and Almeida) *Research Policy* May 2005

The Innovating Region: Towards a theory of knowledge based regional development (with Klofsten) *Research Management*. 2005

Counter-cyclical Venture Capital *Technology Analysis and Strategic Management*, 2005

The Evolution of the Entrepreneurial University *International Journal of Technology and Globalisation* 2004

The Rise of a Triple Helix Culture: Innovation in Brazilian economic and social development. (with J.Mello) *International Journal of Technology Management & Sustainable Development*. 2004. (2) 3

Innovation, Incubation and Growth. *Innovation Matters* (April, 2004)

Innovation in Innovation: The Triple Helix of University-Industry-Government Relations. *Social Science Information* (2003) 42 (3), 293-338

The European Entrepreneurial University, *Industry and Higher Education* (Oct. 2003)

Beyond Humboldt: the entrepreneurial university, the third mission and the triple helix. (with. Asplund, P. & Nordman, N.) (2003) *VEST Journal for Science and Technology Studies*, 16 (1)

Is There a Fourth Helix? (with Loet Leydesdorff) *Science and Public Policy*, April, 2003

“Public Venture Capital: US Science, Technology and Industrial Policy”, *SciPolicy*, 2003

Research Groups as ‘Quasi-Firms’: the invention of the entrepreneurial university. *Research Policy*, Feb. 2003

Incubation of Incubators: Innovation as a Triple Helix of University-Industry-Government Networks *Science and Public Policy*, April, 2002

Networks of Innovation: Science, Technology and Development in the Triple Helix Era. *International Journal of Technology Management & Sustainable Development*, 2002

Gender Inequality in Science: A Universal Condition? (with Kemelgor) *Minerva* 39(2): Jan 2001

Overcoming Isolation: Women's Dilemmas in American Academic Science (with C. Kemelgor) *Minerva* 39(2): 153-174; Jan 2001

Information Infrastructure for Healthcare: An Evaluation of a Government-Industry Technology Development Initiative. (with Richard Spivack) *Technology Analysis and Strategic Management*, 2001

The Transformation of University-Industry-Government Relations (with Loet Leydesdorff) *Electronic Journal of Sociology* 5 (4) www.sociology.org/content/vol005.004/th.html

Networked Research: An EC Model for the U.S.? *Science*. V. 292 No. 5515, 13 April, 2001

The Second Academic Revolution and the Rise of the Entrepreneurial University *IEEE Technology and Society Magazine*, Summer, 2001

The Origin and Evolution of the University Species (with Ben Martin) *VEST*, 2001

The Endless Transition: Finding A Social Basis for U.S. Science Policy *SciPolicy*, Spring, 2001

The dynamics of innovation: from National Systems and ‘Mode 2’ to a Triple Helix of university-industry-government relations (with Loet Leydesdorff) *Research Policy*, Feb. 2000

Academia Interrupted: Normative Change in Science *SciPolicy*, Fall, 2000

Technology Transfer and the Eastern European Transition *Science and Public Policy*, 2000

S&T human resources: the comparative advantage of the post-socialist countries (with Karel Muller) *Science and Public Policy*, August 2000

The Future of the University and the University of the Future: the Evolution of Ivory Tower to Entrepreneurial Paradigm (with Webster, Gebhardt and Terra) *Research Policy*, 2000

“Le Mode 2 et la globalisation des systèmes d'innovation nationaux: le modèle à triple hélice des relations entre université, industrie et gouvernement,” (with Loet Leydesdorff) *Sociologie et Société*, August 2000.

Imprenditorialita degli scienziati: conflitto di interessi e cambiamento normativo nella scienza *Quarderni di Sociologia*, 1999

Public Entrepreneur: the trajectory of United States science, technology and industrial policy *Science and Public Policy* Vol. 26. No. 1 February, 1999 53-62

Failure and Success: Industrial Policy in Latin America and Southeast Asia (with Brissola) *Research Policy*, 1999

Industrial Policy in Europe and America (with Gulbrandsen) *Journal of Technology Transfer*, 1999

The Norms of Entrepreneurial Science: cognitive effects of the new university-industry linkages *Research Policy*, Vol. 27. No. December, 1998 823-834

When Path Dependencies Collide: The Evolution of Innovation Policy in the State of Rio de Janeiro - Brazil (with Jose Mello and Branca Terra) *Science and Public Policy*, 1998

Transition Within the Transition: Industry as a Stimulator of Technology Transfer in Post-Socialist Countries, (with Karel Müller) *EAST Review*, Vol.17(4), pp.35-39 1998,

The Role of Centres in the Collectivisation of Academic Science (with Kemelgor) *Minerva*, 1998

From Zero-Sum to Value-Added Strategies: The Emergence of "Knowledge-Based Industrial Policy in the States of the United States" *Policy Studies Journal*, 1998

Conflict of Interest and Commitment in Academic Science *Minerva* Fall, 1996

A Triple Helix of Academic-Industry-Government (with Leydesdorff) *Current Science*, 1996

From knowledge flows to the triple helix: The transformation of academic-industry relations in the USA. *Industry & Higher Education*, (December 1996), PP. 337-342

Losing Our Bearings: the Science Policy Crisis in post-Cold War Eastern Europe, former Soviet Union and USA *Science and Public Policy* Feb. 1996

The Triple Helix: University - Industry - Government Relations A Laboratory for Knowledge Based Economic Development (with Loet Leydesdorff) *Easst Review* 14(1)

Inching Toward Industrial Policy: the University's Role in Government Initiatives to Assist Small Innovative Companies in the U.S. *Science Studies* Dec. 1995 (with Ashley Stevens)

Beyond the Frontier: The Convergence of Military and Civilian R&D Science *Studies* Dec. 1994

Knowledge As Property: The Massachusetts Institute of Technology and the Debate Over Academic Patent Policy" *Minerva* Winter, 1994

The Paradox of Critical Mass for Women in Science (with Carol Kemelgor, Michael Neuschatz, Brian Uzzi and Joseph Alonzo) *Science* Vol 266 Oct. 7. 1994

Technology Centres and Industrial Policy: the Emergence of the Interventionist State *Science and Public Policy* May, 1994

The NSF and U.S. Industrial and Science Policy *Science and Technology Policy*. Feb. 1993

Enterprises from Science: The Origins of Science-based Regional Economic Development *Minerva* Autumn 1993

Athena Unbound: Barriers to Women in Academic Science and Engineering (with Carol Kemelgor, Michael Neuschatz and Brian Uzzi) *Science and Public Policy* June, 1992.

Individual Investigators and Their Research Groups *Minerva*, Spring 1992

Profit from Knowledge: Organizational Innovations and the Evolution of Academic Norms (with Lois Peters) *Minerva* Summer, 1991.

Regional Industrial and Science Policy in the United States *Science and Technology Policy* April, 1991. Reprinted in *Science and Technology* London: The British Library, 1995.

Entrepreneurial Science in the Academy: A Case of the Transformation of Norms *Social Problems*, Feb. 1989 Vol. 36 1

Photovoltaics in U.S. Technology Policy *Forum for Applied Research and Public Policy*, 1988

Corporate Induced Disaster: Three Mile Island and the Delegation of Nuclear Power, *Humanity and Society*, Fall, 1984.

Solar Versus Nuclear Energy: Autonomous or Dependent Technology? *Social Problems*, 1984.

Entrepreneurial Scientists and Entrepreneurial Universities in American Academic Science *Minerva*, 1983

The Americanization of Marx: Middletown and Middletown in Transition. *Journal of the History of Sociology* 1979 (2):41-57

Media, social researchers and the public: linkages of legitimation and deligitimation (with R. Mack) *American Sociologist*, 10:109-112. 1975

The Male Nurse: Sexual Separation of Labor in Society *Journal of Marriage and the Family*, August, 1971.

Institution Formation Sociology, *American Sociologist* May, 1970.

Manifesto for Sociologists: Institution Formation-A New Sociology (with Gerald Schaflander) *Social Problems* Spring, 1968.

Book Chapters:

The University and Intellectual Property: venture model (with Lundquist) In Center for Intellectual Property, Chalmers University Volume, In preparation

Academic Conflict of Interest In Hastings Center Medical Science Volume, forthcoming

The Triple Helix and the Rise of the Entrepreneurial University In Grandin ed. *Nobel Foundation Symposium on Science and Industry* Watson Publishing International, 2004

University's Role in Economic and Social Development: The Third Mission in Sweden and the US In Sorlin and Tornqvist eds *The Wealth of Knowledge* MIT Press, In Press

The Triple Burden: A Cross cultural analysis of the consequences of discrimination for women in science (with Gupta, Kemelgor and Fuchs) In European Commission *Gender and Excellence in the Making*. Brussels: Directorate General for Research, 2004

Public Venture Capital: The Secret Life of US Science Policy In Peter Biegelbauer and Susana Borrás *Innovation Policies in Europe and the US: The New Agenda*. Hampshire: Ashgate, 2003

"The Entrepreneurial University and the University as Entrepreneur: Why Academia is the Core Institution of Knowledge-Based Society In *Fonster mot Framtiden* (Visions of the Future) Stockholm: Ax:son Johnson Foundation, 2003 English version In Press

Beyond the Endless Frontier: From the Land Grant to the Entrepreneurial University In S. Wolf, D Zilberman eds. *Knowledge Generation and Technical Change*. Kluwer, Dordrecht, 2001

The Trajectory of U.S. Innovation Policy In Dresner, Simon and Nigel Gilbert eds. *The Dynamics of European Science and Technology Policies*. London: Ashgate, 2001

Nano-science and Society In *Societal Implications of Nanoscience* Washington DC NSF. 2001

Bridging the Gap: The Evolution of Industry-University Links in the United States" In Lewis Branscomb et.al eds *Industrializing Knowledge* Cambridge: MIT Press, 2000

The Evolution of the Entrepreneurial University (with Schuler & Gulbrandsen) In Jacob and Hellstrom eds. *The Future of Knowledge Production in the Academy*. Open University Press, 2000.

Why are women and minority scientists still treated so badly?" In George Campbell et.al eds. *Access Denied*. New York: Oxford University Press, 2000

Academia Agonistes: The Triple Helix of University-Industry-Government In D. Braun and F.X. Merrien eds. *Towards a new model of governance for Universities* London: Jessica Kingsley, 1999

Entrepreneurial Science in Mexico as a Development Strategy" (with Elsa Blum) *Sociology of Science Yearbook*, 1997

Gender Implosion: The Paradox of Critical Mass for Women in Science In Marisi Nerad ed. *Graduate Education in the United States*, Garland Publishing, 1997

The Triple Helix: Academic-Industry-Government Relations in New York In Raymond ed. *The Technology Link to Economic Development*. New York: N.Y. Academy of Sciences, 1996

Academic-Industry Relations: A Sociological Paradigm for Economic Development In Leydesdorff and Besselaar eds. *Evolutionary Economics and Chaos Theory* London: Pinter, 1994

Science as Intellectual Property (with Webster) *Sociology of Science Handbook* Sage: 1994

Die Kapitalisierung des Wissens: Die Rolle des Staates und des Wissenschaftlers bei der Grundung von Wirtschaftsunternehmen In Hilpert (ed.) *Zwischen Scylla Und Charybdis?: Zum Problem Staatlicher Politik Und Nicht-Intendierter Konsequenzen*. Westdeutscher Verlag, 1994

Barriers to Women in Academic Science and Engineering (with Kemelgor, Neuschatz and Uzzi) in Pearson and Fechter eds. *Who Shall Do Science?* Baltimore: Johns Hopkins University, 1994

Redesigning Solomon's House: The University and the Internationalization of Science and Business
Sociology of Science Yearbook Amsterdam: Kluwer, 1992

University-Industry Relations: Models of Integration and Separation" Proceedings of the 15th AAAS
Colloquium on S&T Policy, 1990.

Second Academic Revolution In Cozzens ed. *The Research System in Transition* Kluwer, 1990.

The Electronic Focussed Interview: Email as a Dialogic Interviewing Medium in Stefferud et. al. eds.
Message Handling Systems and Distributed Applications Amsterdam: North Holland, 1989.

The Making of an Entrepreneurial University: The Traffic Among MIT, Industry and the Military, 1860-
1960 in Mendelsohn et.al. eds. *Science and the Military* Reidel, 1988

Überdeterminierte Technologie in *Bürokratie Als Schicksal?* WestDeutcher Verlag, 1985.

Special Journal Issues:

The Entrepreneurial University *Minerva* (with Benner) Forthcoming

Innovation *Technology Analysis and Strategic Management*; (with Gebhardt and Pohlman), 2005

The Triple Helix in Brazil (with Jose Mello) *International Journal of Technology Management and
Sustainable Development*, 2003

International Perspectives on Women in Science, *Minerva*, (with Carol Kemelgor), 2001

The Triple Helix, *Research Policy*, (with Loet Leydesdorff), 2001

The Eastern European Transition, *Science and Public Policy*, (with Karel Muller) 2000

The Endless Transition, *Minerva*, edited with Loet Leydesdorff, 1998

Policy Dimensions of the Triple Helix, *Science and Public Policy*, with Loet Leydesdorff, 1996

Encyclopedia Articles:

Science and the Economy *Science, Technology, and Society*, Oxford University Press

Science and Industry *International Encyclopedia of Social and Behavioral Sciences*

Patents Oxford *Companion to the History of Modern Science* OUP, 2003

Invention *Encyclopedia of Sociology*

Book Reviews:

University-Industry Relations Review Essay *Minerva*, 1995

What Happened to Cybernetics? *Contemporary Sociology* 1993

Theories of Science in Society *Science* May, 1991.

Molecular Biology: The New Modes *Science* Dec. 1988.

Regulatory Reform: Politics and the Environment *International Digest of Health Legislation*, 1988

The Growth of American Research Universities *Journal of Higher Education* July/August, 1988.

The Process of Science *Science* Oct. 30, 1987.

Environmentalism and Equity *Science* Feb. 23, 1987.

HONORS:

Founding Chair, Section on Science, Knowledge and Technology, American Sociological Association, 1987-91.

SUNY Visiting Professorial Award at SUNY Stony Brook, 1989-1990.

GRANTS:

[The projects below represent more than 1 million US\$ in research funding]

Innovation Project, Center for Business and Policy Studies, Sweden, 2000-

"The Triple Helix" NSF, 2000

Industry as a Stimulator of Technology Transfer, NATO, 1999

Academic-Industry Relations in Sweden Center for Business and Policy Studies, Stockholm 1997

"Triple Helix Conference" NSF, European Union, CNRS France, etc. 1998

"Qualitative Evaluation of Health Informatics Focused Program, NIST, 1996-97

"Academic-Industry Relations" Andrew Mellon Foundation, 1995,

"Critical Transitions for Women in Science" NSF, 1995,

"Evaluation of Research Groups" Rockefeller University, 1995

"Conflict of Interest in Academic-Industry Relations" National Science Foundation, 1993-95

"State Science Policy" (with Kevin Dougherty) National Science Foundation, 1993-95

"Critical Transitions for Women in Science" NSF, 1995,

"Women in Science and Engineering: Improving Participation and Performance in Doctoral Programs" National Science Foundation, 1991-1994

"Academic Industry Relations" NATO Advanced Research Workshop, Acquafredda, Italy, 1991.

"Indicators of Small Science" National Science Foundation, 1990,
"University-Industry Relations at MIT" NSF, 1989-1990,
"Women in Academic Science" NSF Sociology, 1989-90,
"Research Groups in Academic Science" SUNY Research Award, 1988-89,
"The Interdisciplinary Origins of Computer Science" (with Lois Peters) NSF, 1988-90,
"Academic Research Groups" SUNY Albany, 1988,
"University-Industry Interactions" (with Lois Peters) NSF 1986-87,
"Archival Research at MIT" NEH, Summer, 1984,
"Academic Scientists and Industry" NSF, 1983-1984
"The Effects of Corporate Headquarters Relocation on Cities and Suburbs" ASA 1977

THESES:

Ph.D. Institution Formation Sociology: The Organization of the Bedford Stuyvesant Community Cooperative Center.

M.A. The Precarious Identity of the Male Nurse: Role Conflict and the Sexual Separation of Labor.

SELECTED REPORTS:

Evaluation Report: The Leadership Alliance Program for Minorities in Science (with Cheryl Leggon), 2002, 2004

The New York Software Industry (with John Marlin) 1999

The Rites and Wrongs of Passage: Critical Transitions for Female Ph.D. Students" NSF, 1995.

An Evaluation of the Outreach Program at Rockefeller University (with Joseph Alonzo) 1995

The Stages of CODETEC: Evaluation of a Brazilian Technology Transfer Unit" IDRC 1995

Beyond Technology Transfer: An Evaluation of the Long Island High Tech Incubator SUNY, 1995

Reforming a Fragmented System: The Transition to an Industrial R&D Policy in the US Departments of Defense and Energy, Milan: Fondazione Rosselli, 1993.

Academic-Industry Relations: The Second Academic Revolution? (with Webster) London: Science Policy Support Group, 1991.

CONFERENCE PAPERS:

American Association for the Advancement of Science: 1988, 1989, 1990, 1995, 1996. American Sociological Association: 1968, 1970, 1972, 1976, 1977, 1978, 1979, 1981, 1982, 1983, 1984, 1985, 1988, 1992, 1996. British History of Science Society: 1988. Society for the Study of Social Problems: 1970, 1973, 1975, 1977, 1979, 1980. Eastern Sociological Society: 1975, 1978, 1979, 1980, 1984. European

Association for Science and Technology: 1990, 1994. Society for the Social Study of Science: 1978, 1982, 1984, 1985, 1986, 1989, 1991, 1994. Max Weber Colloquium: 1980, 1983, 1986. International Sociological Association, Mexico City: 1982; Bielefeld, 1994; Rockefeller Institute of Public Affairs, Albany, N.Y.: 1983; Royal Swedish Academy of Sciences Conference, Sweden, 1991; International Congress on the History of Science, Berkeley CA, 1985. Trinational Institute on Innovation, Competitiveness and Sustainability, Vancouver 1994; The Triple Helix Conference, 1996, 1998; 2000; 2002; Economics of Science, Notre Dame, 1997; The Future of Agricultural Research, University of California, Berkeley, 1998, NATO Advanced Research Workshop, Bulgarian Academy of Sciences, Sofia, 1998; Second International Symposium on Research Funding, Ottawa NSERC, 1995; European Science Policy Conference, Il Cioccio Italy, 1994; World Incubator Conference, Rio de Janeiro, 2001; Photonics Conference, Kista; Incubation Meeting, Conference Board of Canada, Montreal; Foundation Conference, Regional Science Association, London; Innovation Conference, 2002: Hastings Institute; Karlskronna Ronneby, Sweden; Early Stage Venture Capital Mini-Conference, Copenhagen Business School, 2003; Nobel Foundation Symposium on History of Science; Venture Capital, FinnLombarda, Milan; 2003, 2003: Regional Science Association, London; Innovation Conference Karlskronna, Sweden; Copenhagen Business School. 2004: Shifting Boundaries in Science, WBZ, Berlin; Irish Higher Education Authority; Conference on Minorities in Science, Yale; European Union Regional Conference, Liege; Local Productive Arrangements, Brasilia; Turku Development Forum, Finland, MANCEF Nanotechnology Conference, Albuquerque; Science City in the 21st Century, Keihanna; Torino: 2005 Triple Helix V, Florence; European University Centre,

Recent Titles:

“The Endless Transition” Inaugural Lecture, VINNOVA: Innovation Agency Stockholm, 2001

"Public Venture Capital" National Social Venture Capital Association, Washington D.C, 2003

"Women in Science: Historical, Cultural and Policy Dimensions" July, 2003 The Royal Society, London, Member of French delegation to Policy Conference on WIS (U.K, Canada, France)

"US Science Policy: A Triple Helix" British Association Festival of Science, Salford, 2003

Valedictory Address NISTADS, International Conference on Women in Science, New Delhi; 2004

Keynote Address, MANCEF “The Triple Helix and Economic Development, Albuquerque, 2004

Keynote Address, Science Cities Conference, York, U.K. 2005 “Making Science Cities”

COLLOQUIA:

University of Chicago, 1967; Smith College, 1967; McMaster University, 1968; University of Missouri, 1969; University of Pittsburgh, 1970, 1994; UCLA, 1971, 1978; Harvard University, 1973, 1985; Vassar College, 1975; University of Oregon, 1975; Brown University, 1976; University of California, Santa Barbara, 1978; Northwestern University, 1978; University of Colorado, Boulder, 1982, 1985; Rensselaer Polytechnic Institute, 1984; MIT, 1985; National Institutes of Health, Bethesda, Md. 1986; CUNY, 1988; Princeton University, 1988; SUNY, Stony Brook, 1989; Università Bocconi, Milan, 1991, 2000; Frederic Schiller University of Jena, 1992; Romanian Academy of Sciences, Bucharest, 1992; Fondazione Rosselli, Milan, 1993; University of California, Berkeley, 1994; Ruhr University of Bochum, 1994; University of Lund, 1994, 2001; New York University, 1994; Wissenschaftszentrum für Sozialforschung, Berlin, 1994; University of Mannheim, 1994; CONACyT, Mexico City, 1995; Advisory Board NUTEK, 1995. University of Maastricht, 1995, 1996; Federal University of Rio de Janeiro, 1995; 2000; European University Centre, Florence, 1995; University of the Republic, Montevideo, 1995; Norwegian Institute for Research and Higher Education, 1995, 2000; Finnish Technology Center (VTT), Helsinki, 1995; University of Amsterdam, 1995; University of the Republic, Montevideo, 1996; University of Puerto Rico, 1996; Max Planck Institute for the

Study of Societies, Cologne, 1997, 1999; University of Linköping, Sweden, 1998; Maison de Sciences des Hommes, Paris, 1998; CENDES, Caracas, 1998; Johns Hopkins University, 1998; Autonomous National University of Mexico, 1999; Colombia University, 2000, University of Sienna, 2000, 2002; University of Gothenburg; 2000; Norwegian Technological University, 2000; University of Brasilia, 2000; University of Vicosa; 2000; Federal University of Rio de Janeiro, 2001, 2002; Polytechnic University of Catalunya, Barcelona, 2001; University of Rhode Island, 2001, University Rio Grande del Sul; State University of Rio de Janeiro, 2002; Royal Institute of Technology, Stockholm; Orebro University; University of Massachusetts at Dartmouth; Copenhagen Business School; Lund University, 2003; Harvard University, Chalmers University, 2004; Jawaharlal Nehru University, Indian Institute of Technology, Kanpur: Institute of Economics, Federal University of Rio de Janeiro, Federal Fluminense University, University of Linköping, University of Sussex; Kennedy School, Harvard; Tecnológico Monterrey, 2005; University of Chicago, University of Saskatchewan, University of Edinburgh, Harvard University, Northeastern University, (Shenyang), Dalian University of Technology, Xi'an University, Tsinghua University

EDITORIAL EXPERIENCE:

Contributing Editor, Technology Access Report 1993-2003 (50+ articles on International S&T Policy: *Selected titles:* "Back to the Future: Coping with Sweden's Innovation Dilemma; Bridges and Tunnels: The Transition from Informal to Formal Technology Transfer in Japan; Latin American Industrial Policy: Finding a Substitute for "Import Substitution"; Georgia's High Tech Strategy Has North Carolina On Its Mind; Lost on the Endless Frontier: Vannevar Bush and the "Contract" Between Science and Government; In the Eye of the Currency Storm: Mexico Incubates New Firms; Learning by Borrowing: The Transformation of Incubators and Science Parks; The Shrinking American Corporation: Lean, Mean and ...Braindead?; Learning from Boston: Knowledge-based Economic Development and the Future of New York; Turning the Tables: Attaining Reciprocity Across the North/South Tech Transfer Divide; The Turn to Universities and SME's: The Emergence of the "Triple Helix" in Scandinavia; Entrepreneurial Science: the Research Group as Quasi-Firm; New York Discovers High Tech: Will High Tech Firms Grow in New York? If They Do; Will They Stay?

Member, Editorial Advisory Board: Technology Analysis and Strategic Management; International Journal of Technology Management and Sustainable Development; SciPolicy;

Reviewer: Cambridge University Press, SUNY Press, Princeton University Press and others.

SELECTED PROFESSIONAL ACTIVITIES:

Visiting Scholar, Office of Technology Licensing, Stanford University, Spring/Summer 2005

Consultant to SUNY Research Foundation, Restructuring SUNY Technology Transfer Activities 2004-05

External Member of Ph.D. Committee or Examiner: (Gulbrandsen) Management of Technology, University of Trondheim (2000); (Gupta) Department of Sociology, University of Kanpur (2002); (Gunaskera) School of Political Science and International Studies, University of Queensland (2004) (Ranga) SPRU, Science Policy, University of Sussex (2004)

Member, Committee to Judge Best Incubator, World Incubator Conference, The Hague, 2003; Oxford 2004

Reviewer for: Research Policy, American Sociological Review, Regional Studies and other journals.

Proposal Review: US National Science Foundation; British Economic and Social Research Council; US/Israel Bi-National Research Foundation

Co-Founder, The Triple Helix: Academic-Industry-Government Relations International Conference Series: Amsterdam, 1996; Purchase, 1998; Rio de Janeiro, 2000; Copenhagen, 2002; Turin, Italy 2005; Singapore, 2007 www.triplehelix6.com

Consultant to Brown University, Evaluation of Leadership Alliance (Nation-wide Program of Summer Research Experiences for Under-represented Minority College Students), 2000-

Founder and Past Chair, Inter-University Seminar on Innovation, New York City 1999-2004

Co-Organizer (with Jasinski) NATO Science Policy Workshop, Bialystock, Poland, 1999

Chair, International Advisory Group, Evaluation of Research Schools, SNS, Sweden, 1997-2001

Consultant to New York City Comptroller, Software Industry Report, 1999

Consultant, Japanese Intellectual Property Institute, 1995

Co-Organizer Conference on Academic-Industry Relations, Centro para la Innovacion Technologica, UNAM, Mexico. 1993.

Co-Director International Study Group on "Academic-Industry Relations" (with Andrew Webster) Science Policy Support Group, London. 1992-1996

Faculty Member, NATO Advanced Study Institute, Lucca, Italy, 1989.

Visiting Scholar, History of Science Department, Harvard University, 1988-1989.

Visiting Scholar, Science, Technology and Society Program, MIT, Summer, 1987.

PROFESSIONAL SOCIETIES:

New York Academy of Sciences; American Association for the Advancement of Science; Society for the Social Study of Science, American Sociological Association