

## Ming Ivory

Professor

Integrated Science and Technology Program  
James Madison University

E-Mail: ivorymx@jmu.edu  
phone: (540) 568-2789

3155 Flint Ave.  
Harrisonburg, VA 22801- 9036  
(540) 564-1298

### EDUCATION

- Ph.D. **Massachusetts Institute of Technology** Political Science  
Third World Development, Science Policy, Social Science Methods  
Dissertation: "Science, Technology and Development Assistance:  
Theory and Practice in Three Administrations (1969-1985)"
- M.A. **University of Pennsylvania** History & Sociology of Science  
Thesis: "The Cultural Conception of Science in America, 1960-1970"
- B.S. **Tufts University** Mathematics, French (Premedical)

### EMPLOYMENT

Professor [Tenured]  
Integrated Science and Technology Department  
James Madison University  
Harrisonburg, VA 22801

- James Madison University**  
Assistant Department Head (elected) 2004-2007  
Director of Geography (ex officio)  
Department of Integrated Science and Technology
- James Madison University** Sept., 1992 -Aug. 1995  
Madison Institute for Interdisciplinary Studies and  
Department of Political Science  
Harrisonburg, VA 22801
- Creighton University** Sept., 1986-May, 1992  
Department of Political Science  
Omaha, NE 68178
- U.S. Agency for International Development** Jan. 1979 - May, 1985  
Washington, D.C. 20520  
Office of Forestry, Environment & Natural Resources  
Office of Science and Technology
- World Bank** Summer 1977  
Office of the Science Advisor  
1818 H. Street, N.W.  
Washington, D.C.

<b>M.I.T. Center for International Studies</b> 30 Wadsworth St. Cambridge, MA 02139	Dec. 1976-May 1977
<b>WUHY-FM (Public Radio)</b> 4548 Market Street Philadelphia, PA 19139	Summer 1976
<b>Institute for Scientific Information</b> 325 Chestnut St. Philadelphia, PA 19106	Dec. 1975- May 1976
<b>National Science Foundation</b> Office of Planning and Resources Development 1800 G. Street N.W. Washington, D.C.	Summer 1975
<b>Hampshire College</b> School of Natural Science Amherst, MA 01002	Sept 1973- June 1975
<b>University of Pennsylvania</b> Library: Edgar Fahs Smith Collection (History of Chemistry) Philadelphia, PA 19174	Aug. 1972-June 1973
<b>Smithsonian Institution</b> Joseph Henry Papers Washington, D.C. 20560	Summer '69, '70, '71
<b>National Institute of Mental Health</b> Laboratory of Clinical Science Bethesda, MD 2081	Summer 1968
<b>Walter Reed Army Institute of Research</b> Department of Neurophysiology Washington, D.C.	Summer 1966, 1967
CONSULTING	
<b>Carnegie Corporation</b> New York, NY	July, 1996
<b>National Research Council/National Academy of Sciences</b> Board on Science and Technology in International Development Washington, D.C.	July-Dec 1992
<b>International Law Institute</b> Washington, D.C.	Sept. 1985
<b>U.S. Agency for International Development</b> Task Force on Capital Saving Technology Washington, D.C.	Oct. 1979-Feb, 1980
<b>International Science and Technology Institute</b> Washington, D.C.	Nov 1978-Jan 1979

## CASUAL EMPLOYMENT

Part-time 2010 U.S. Census Enumerator, Substitute Teacher, (Mathematics, French) Falmouth High School, Falmouth, MA, Pool Lifeguard, Cafeteria Worker, Hardware Store Clerk, Mental Health Recreation Aid, Tutor, Vote Tabulator for News Election Service, Typesetter, Calligrapher, Graphic Artist, Real Estate Property Manager

## PROFESSIONAL ACTIVITIES

- Member Policy Studies Association  
Association for Politics and the Life Sciences  
American Political Science Association  
MIT Club of Virginia, Board Member, Treasurer  
Federation of Activists for Science and Technology
- 2010 Invited Workshop participant, Computer Security Ethics, Center for Research on Information Assurance and Security (CERIAS), Purdue University
- 2007 – present Community Member, Rockingham Memorial Hospital, **Institutional Review Board for the Protection of Human Subjects**
- 1997 summer **VITA-World Bank** Internet Conference on Environment & Development, Panelist
- 1992-present **James Madison University**  
University Committees:  
Institutional Review Board for Research Involving Human Subjects '95- 2007  
Energy Committee '93-'94  
College of Integrated Science and Technology Committees:  
Curriculum & Instruction Committee, ISAT, 1997-2007  
International Committee, Chair, 97-present
- 1994-1997 **Common Ground** (Consortium of Community Organizations), Harrisonburg, VA  
Executive Board and Editorial Committee
- 1992, 1995 **National Science Foundation**, Research on Science and Technology Program  
Proposal Reviewer
- Fall 1993 **Sigma Xi**, JMU Chapter, Invited Speaker  
**Virginia Women's Studies Association**, Invited Speaker
- 1987-1992 **Creighton University**  
Executive Council, (Elected) College of Arts and Sciences  
Committees: College Resources, Academic Policy, Budget  
  
Advisory Board for Creighton House (Residential-Learning Experiment)  
Metro Area Teacher's Institute: Eastern Europe, with Dr. James Wunsch
- 1988 **American Forum on Education and International Competence**, St. Louis, MO,  
May 13-16, Member, Nebraska Delegation
- 1984 **Institute for Policy Studies**, Washington, D.C. Panel member at "Scientists as Citizens" Brown Bag lunch seminar

- 1981 **American Association for the Advancement of Sciences** Mass Media Science Fellows Program, Selection Committee (I had been 1976 Fellow)
- 1979 **White House Conference on Libraries and Information Services**, Delegate (elected)
- 1978 Massachusetts Governor's Conference on Libraries and Information Services, Delegate

Listed in Who's Who in America

#### OTHER TRAINING

- 1998 Haitian Creole 2-week intensive course, Diocese of Richmond
- 1993 Asymmetrix Toolbook (Multimedia software), at Institute of Academic Technology, Research Triangle Park, NC
- 1988 Intermediate Political Russian, at Johns Hopkins University School of Advanced International Studies, Washington, D.C.
- 1987 Beginning Intensive Russian at Middlebury College, Middlebury, VT
- 1986 Television Production at Community Cable Television, Montgomery County, MD
- 1980 DBase II and Lotus 123, at U.S. Agency for International Development, D.C.
- 1980-81 American Sign Language at Montgomery College, Rockville, MD
- 1979 Phototypesetting at The Writer's Center, Bethesda, MD
- 1975 Public Policy Analysis, NSF Short Course at Hampshire College, Amherst, MA
- 1970 Fortran Programming at Tufts University

#### AWARDS, FELLOWSHIPS AND GRANTS

- 2008 JMU-RMH Collaborative Spirit Award
- 2001 Collaborator on grant from the Commonwealth Technology Research Fund to James Madison University, **Commonwealth Information Security Center** from [\$1 Million] for "Advancing Virginia's Information Security Expertise" Dr. Mohamed Eltoweissy and Samuel Redwine, Principle Investigators
- 2000 Grant from Virginia Center for Innovative Technology Co-Principal Investigator with Hossain Heydari, Mohammed Eltouwiesy, and Ali Eskandarian] \$75,000 for activities of JMU Center for Applications and Research in Telecommunications;
- 2000 Summer Research Grant from College of Integrated Research and Technology, JMU to develop "A Model Social Context Program"
- 1990 Elected to Phi Beta Delta (International Scholars Honor Society)
- 1989 Creighton University Graduate School Summer Faculty Research Fellowship (Soviet Science Policy)
- 1988 C-Span: C-Span in the Classroom Seminar attendee, Washington, D.C.
- 1986 International Board on Research Exchange (IREX) Developmental Fellowship (Russian Language Training at Middlebury College and Johns Hopkins University School of Advanced International Studies
- 1976 American Association for the Advancement of Science: Mass Media Fellow (Science Reporter at WUHY-FM --NPR affiliate, Philadelphia, PA)
- 1969 National Science Foundation: Smithsonian Institution Summer Fellow (Research Assistant at Joseph Henry Papers Project)
- 1967 National Science Foundation: High School Summer Science Fellow (Lab Assistant at Walter Reed Army Institute of Research, Dept. of Neurophysiology)

## **PUBLICATIONS**

### ARTICLES

Ming Ivory, "Wide Angle: Technology and Democracy--You Can't Get There from Here," Technology and Society [Journal of the IEEE Society for the Social Implications of Technology], Fall, 2010

Ming Ivory, "The Social Context of Applied Science: A Model Undergraduate Program", Annals of the American Academy of Political and Social Science, Vol. 585, January 2003 pp. 154 – 181

Ming Ivory, "Open Forum: Internet Law's Chilling Effect is Real", Daily News Record, Harrisonburg, VA, January 12, 2001

Ming Ivory, "Doctrines of Science, Technology and Development Assistance," Alternatives: Social Transformation and Humane Governance, Vol. 23, No. 3, August /September, 1998, pp. 321-374

Ming Ivory, "The Politics of U.S. Environmental Assistance, 1976-1986", World Development, July, 1992

Ming Ivory, "Science and the Third World: Some Notes on Myths", AAASsay (Newsletter of the American Association for the Advancement of Science Mass Media Fellows Program), Vol. 3. No. 3, 1982

John Daly and Ming Ivory, "Town Meeting: National Identity", Interciencia, Vol. 6 No. 5, Sept.-Oct., 1981

Ming Ivory, Janice Laporte, Henry Small and Janet Stanley, Citation Analysis: An Annotated Bibliography, Institute for Scientific Information, Philadelphia, PA, August, 1976

### GOVERNMENT AND CONSULTANT REPORTS

John Daly and Ming Ivory, "Foundations, Science, Technology and Development", Report to Carnegie Corporation, in association with the International Bank for Reconstruction and Development, August 12, 1996

Ming Ivory, "Comments on the CISAT Curriculum: (August 24, 1992 SHEV Proposal)", Report to Dr. Lyle Wilcox, Provost of the College of Integrated Science and Technology (CISAT) of the James Madison University, February, 1993.

Ming Ivory, "Aiding the Newly Independent States: Science and Technology Capacity as a Unifying Strategy", Report to the Board on Science and Technology in International Development (BOSTID) of the National Academy of Sciences, under a Cooperative Agreement with U.S. Agency for International Development, January, 1993

J.E. Stepanek and Ming Ivory, "Expatriate Professionals as International Consultants" U.S. Agency for International Development, Technical Assistance Bureau, Office of Science and Technology, 1979

Ming Ivory, Gregory Malinowski, Vimal Atukorale, and Paula Edwards, "Analysis of AID Programs for the U.N. Conference on Science and Technology for Development", International Science and Technology Institute, Inc., January 26, 1979

Ming Ivory, "Science and Technology for Development: Activities of the World Bank", International Bank for Reconstruction and Development, August, 1977

Ming Ivory, "Structure of the Public Debate on Overhead [Charges by Universities]" Report to Jerome Wiesner, President of M.I.T. May, 1977

#### PAPERS PRESENTED

Ming Ivory, "Warhol in Iran by Brecht: Sadegh Ghotbzadeh's Telecommunications Tragedy", paper presented at the International Studies Association Meeting, San Francisco, CA March, 2007

Ming Ivory, "Universal Service and the 'Digital Divide' in U.S. Telecommunications Policy", paper written for the International symposium on Telecommunications, Teheran, Iran, 30-31 August, 4-5 September, 2001 [paper presented by Dr. Hossein Heydari]

Ming Ivory, "U.S. and Soviet Science Assistance Doctrines", presented at the Association for the Advancement of Policy, Research and Development in the Third World, Nassau, November, 1991

Ming Ivory, "The Politics of International Environmental Assistance", presented at the 11th National Third World Studies Conference, Omaha, October, 1988

Ming Ivory, "Domestic Science Policy and International Science: Conflicting Roles and Priorities of the NSF Programs for Science and Development", presented at the International Studies Association, Toronto, February, 1976

#### REVIEWS

For **Politics and Policy**, Volume 36, Issue 4, Date: August 2008, Pages: 727-731

Archon Fung, Mary Graham and David Weil, Full Disclosure: The Perils and Promise of Transparency,

For **Journal of Asian Studies**

Dhevan Meyanathan, Editor, Industrial Structures & The Development of Small & Medium Enterprise Linkages: Examples From East Asia, Washington, D.C. International Bank for Reconstruction & Development

For **Perspectives in Political Science**:

Stephen Haggard, Pathways from the Periphery: The Politics of Growth in the Newly Industrializing Countries, Cornell University Press, 1990

For **Science Books and Films** (American Association for the Advancement of Science) 40+ reviews, 1977

to the present. Most recently:

41. Vol. 36, No.? May, 2000

Colin Gray, The Second Nuclear Age, 1999

40. Vol. 36, No. ? May, 2000

Neal Stephenson, Cryptomicon, 1999

39. Vol. 35, No. 4, May, 1999

Michio Kaku, Visions: How Science will Revolutionize the 21<sup>st</sup> Century, 1998

38. Vol. 34, No. 5 June/July, 1998

Peter Bacon Hales, Atomic Spaces: Living on the Manhattan Project, 1997

37. Vol. 34, No. 2 March, 1998

Glenn R. Jones, Cyberschools: An Education Renaissance, 1997