

Curriculum Vitae

STEVEN I. GORDON

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EDUCATION: Ph.D., Columbia University, 1977
M. Phil., Columbia University, 1973
M.A., Columbia University, 1972
B.A., State University of New York at Buffalo, 1970

AWARDS/FELLOWSHIPS: Undergraduate Computational Engineering and Sciences Award,
Krell Institute, 2008.
Ameritech Prize for Innovation in Telecommunications, August, 1995
Chapter Professional Service Award, Ohio American Planning
Association, 1986.
W.K. Kellogg National Fellow. 1981-1984.
John W. Burgess Distinguished Fellow, Faculty of Political Science,
Columbia University, 1973.
Recipient of NDEA Title IV Fellowship, 1971.
Recipient of Faculty Fellowship, Columbia University, 1970.
B.A. Cum Laude, State University of New York at Buffalo, 1970.
Recipient of New York State Regents Scholarship and Scholar
Incentive Award, 1966-1970.

PROFESSIONAL MEMBERSHIP: American Institute of Certified Planners, full member
American Planning Association
Association of American Geographers

PROFESSIONAL EXPERIENCE:

Interim Co-Executive Director, Ohio Supercomputer Center, October 2009 –
present.
Director, Ralph Regula School of Computational Science, April 2007
to present
Deputy Director, Ohio Supercomputer Center, 1997 to Present
Director, Greater Columbus Free-Net, May, 1994-Present
Associate Director for Academic Computing, Office of
Academic Computing, The Ohio State University, 12/89 - 9/95
Professor, City and Regional Planning, The Ohio State University, Columbus,
Ohio, 1988-Present.
Associate Professor, City and Regional Planning, 1981-1988.
Graduate Studies Committee Chairperson, City and Regional
Planning, The Ohio State University, 1981-1985. Responsible for
admissions, recruitment, aid, internships for 90 student program.
Assistant Professor, City and Regional Planning, The
Ohio State University, Columbus, Ohio, 1975-1980.
Lecturer, Department of Urban Planning, Livingston College, Rutgers

University, New Brunswick, New Jersey, 1974.
Senior Planner, Cayuga County Planning Board, Auburn, New York,
1973.

GRANTS:

- Principal Investigator and member of the core team, Ohio River Basin Energy Study, Phase II, 1977-1980.
- Co-Principal Investigator (with Oscar Fisch) "Evaluation and Testing of NSF-RANN Sponsored Land Use Modeling Projects with Ohio as a Test Case". Project sponsored by the National Science Foundation, 1979-1980.
- "Development of an Energy Allocation Model to Minimize Adverse Socio-economic Impact During Periods of Severe Energy Shortage". Project for Ohio Department of Energy. Responsible for the development of weather scenarios, the collection and analysis of data for Cincinnati Gas and Electric and the design of the computer model. (Co-Investigator).
- An Inventory and Integrated Assessment of Ohio Renewable Energy Resources with Paul S. Hoover. Funded by the Ohio Inter-University Energy Research Council, 1980.
- Analysis and Evaluation of Water Quality Data in the Ohio River Basin. Proposal funded by USGS, 1979-1980. Consultant to project.
- "Feasibility Study of a District Heating System for Columbus, Ohio". Co-investigator. Project funded by U.S. HUD to the City of Columbus, Battelle, and The Ohio State University, 1981.
- "Economic Development Problems and Programs". Co-principal investigator with Luc Anselin. Project funded by Ohio State University, 1981.
- "Evaluation of Local Economic Development Policies," OSU Program on Urban Affairs, 1984. Co-principal investigator with George Morse.
- "Review of Economic Development Strategies," Ohio Manufacturers Association, 1984. Co-principal investigator with George Morse.
- "A Study of the Impact of the Center for the Visual Arts on the High Street Commercial Strip," 1984, 1985. Co-principal investigator with Jack Nasar.
- "Area Commission Intern Program," 1984-85. Columbus Dept. of Development. Principal Investigator.
- "Neighborhood Technical Assistance Program," Columbus Department of Human Services. Annually since 1986, Principal investigator.
- "Economic Development and Industrial Retention." Co-principal investigator with George Morse. Project sponsored by The Ohio Manufacturers Association, 1984-85.
- "A Feasibility Study for the SSC in Ohio," Investigator responsible for Socioeconomic Impact section, 1984-85. Ohio Department of Development.
- "Demonstration Project: The Integration of Remotely-Sensed Data with Computer-Based Land and Water quality Data for the Evaluation of Alternative Land Management Practices within the Big Darby Creek Basin," 1986-87. The Ohio State University Center for Mapping. Co-Principal Investigator.

GRANTS (CONTINUED)

- "Evaluation of Industry Visitation Programs as a Strategic Planning Function," 1986-87. The Ohio State University Program on Urban Affairs. Co-investigator.
- "Proposal to Place the SSC in Ohio," 1987. Ohio Department of Development. Investigator responsible for three of eight volumes of the State of Ohio Proposal.
- "Application of Gaming and Decision Analysis to the Assessment of Legal/Institutional Arrangments for Nonpoint Water Pollution," 1987. U.S. Geological Survey through The Ohio State University, Water Resources Center. Principal Investigator.
- "Development of a Curriculum on Nonpoint Water Pollution," 1987. Ohio Environmental Protection Agency. Principal Investigator.
- "The Integration of Remotely-Sensed Data with Computer-Based Land and Water quality Data for the Evaluation of Alternative Land Management Practices," 1987-88. The Ohio State University Center for Mapping. Co-Principal Investigator.
- "Protection Program for the Big Darby Creek," 1988-1990. The Nature Conservancy. Co-Principal Investigator.
- "Encouraging Urban Stormwater Management and Sediment Control Techniques through an Integrated GIS and Nonpoint Water Pollution Model," 1990-1991. Program on Urban Affairs, The Ohio State University. Co-principal investigator with Julie Hambrook.
- "Big Darby Creek Protection Program: Formulation of an Urban Nonpoint Pollution Model and Information Dissemination on Agricultural Nonpoint Pollution," 1990-1993. Funded by The Nature Conservancy through a grant from Honda Incorporated. Co-principal investigator with John Simpson.
- "Testing of agricultural conservation policies in the Big Darby Creek Area." Funded by U.S. Department of Agriculture, 1993-1995.
- "Forecasting Urban Stormwater Runoff and Quality Impacts in the Hellbranch Creek Basin Using SWMM", Consultant to Burgess and Niple Ltd. Engineers on a Project for the City of Columbus. August 1992-January, 1994.
- "Integrating Technology and Interdisciplinary Approaches in the Middle School Curriculum." October, 1995-June, 1996. Battelle Endowment Program. Principal Investigator.
- "Geographic Information System (GIS) Data Base Development for the Big Darby Creek Ecological Risk Assessment Case Study", September 1994 - March 1995. US Environmental Protection Agency. Principal Investigator
- "Integrating Planning, Forecasting, and Watershed Level Ecological Risk Assessment Techniques: A test in the Eastern Cornbelt Plains Ecoregion" October, 1995-September, 1999. US Environmental Protection Agency, Co-Principal Investigator with Andy Ward.
- "Developing a Community Computing and Electronic Outreach Program for Ohio." October, 1995-April, 1996. Ohio Department of Development Principal Investigator.
- "Columbus Job Connection: Development of an Electronic Job Referral and Training Service in Central Ohio." October, 1995-September, 1997. Funded by the US Department of Commerce. In partnership with the Columbus Employment Consortium.
- "A Proposal for Cooperation:The Rickenbacker Port Authority and The Ohio State University Center for Mapping." June, 1996-January, 1997. Principal Investigator.

GRANTS (CONTINUED)

- "Preliminary Watershed Management Plan for the Clear Creek Watershed." Fairfield County Regional Planning Commission, 1997.
- "Creating a Screening Tool for Identification of the Ecological Risks of Human Activity on Watershed Quality". Cooperative agreement with USEPA, October, 1998 - September, 2000.
- "Enabling and Integrating Problem-Based Computational Science Research in K-12 Classrooms". Partners for Advanced Computational Infrastructure, Education, Outreach, and Training Program. National Science Foundation through subcontract from the University of Illinois, July 1999-Present. Principal Investigator.
- "Life Sciences Inquiry Courses for The Ohio State University". With Dr. Baker, Beeth and Rissing. Co-Principal Investigator. \$60,000 Project sustain grant. Ohio Board of Regents, 2001.
- "Providing a High Bandwidth Connection to Facilitate Network and Grid Computing Research and Education". Co-Principal Investigator. \$400,000 grant from NSF and the Ohio Board of Regents, 2003-2004.
- "Remote Backup of Critical Administrative Data for Disaster Recovery." Co-Principal Investigator. \$252,000. grant from the Ohio Board of Regents Technology Fund, 2003.
- "Third Frontier Network Collaborations." Co-Principal Investigator. \$1,029,000 grant from the Ohio Board of Regents Technology Fund, 2004.
- "Sharing Ohio's Intellectual Property: A Commons Approach". Co-Principal Investigator. \$1,100,000 grant from the Ohio Board of Regents Technology Fund, 2004.
- "Computational Science Reference Desk", \$54,000. Subcontract from Shodor Educational Foundation of NSF Grant.
- "Development of an Integrated Data Management System for the Lake Erie Integrated Coastal Observing System". With Keith Bedford. \$52,000. National Oceanic and Atmospheric Administration, Great Lakes Research Laboratory, 2005.
- "Leveraging Cyberinfrastructure to Scale-Up a Computational Science Undergraduate Curriculum". With Kate Carey and Ignatios Vakalis, \$250,000, National Science Foundation, 2005.
- "Computational science program for Ohio community and technical colleges". \$695,000. National Science Foundation. 06/01/2007 - 05/31/2010.
- "Improving American competitiveness through workforce education in cyberinfrastructure". \$999,942. National Science Foundation. 04/01/2008 - 03/31/2011.
- "Wright center for innovation for advanced data management and analysis". \$239,102. Wright State University. 2009.
- "Summer Academy in Computational Science and Engineering". With John Demel, Edward Evans. \$204,139. Ohio Board of Regents. 02/21/2008 - 05/31/2009.
- "Environmental perception, evaluation, and desirability for physical activity among African-American families of different incomes". With Jack Nasar. \$150,000. 03/15/2008 - 03/14/2010. Robert Wood Johnson Foundation.

PUBLICATIONS: (Books)

- "Suggested Method of Environmental Impact Analysis", in The Environmental Impact Handbook by Robert Burchell and David Listokin, New Brunswick, New Jersey, Center for Urban Policy Research, Rutgers University, 1975
- Gary Fowler, J.C. Randolph, and Steven I. Gordon, "Environmental Impacts of Synthetic Liquid Fuels Development in the Ohio River Basin" in Beyond the Urban Fringe, ed. R.H.

- Platt and G. Macento, University of Minnesota Press, 1982.
- Steven I. Gordon, Computer Models in Environmental Planning.
New York: Van Nostrand Reinhold Co., 1985.
- Steven I. Gordon and Richard F. Anderson, Microcomputer Applications in City Planning and Management, Praeger, 1989.
- Book Chapter Kane, D.D., Gordon, S.I., Munawar, M., Charlton, M.N., and Culver, D.A.
A Planktonic Index of Biotic Integrity (P-IBI) for Lake Erie: A New
Technique for Checking the Pulse of Lake Erie in Checking the Pulse
of Lake Erie M. Munawar and R. Heath (eds). Burlington, Ontario,
Canada: Aquatic Ecosystems Health and Management Society, 2008,
p 347-367.
- Papers Steven I. Gordon, "Performing Land Capability Evaluation Using
Numerical Taxonomy: Land Use and Environmental Decision
Making Made Hard?", Environment and Planning A, Vol. 10, No. 8,
1978, p. 915-921.
- Steven I. Gordon, "Utilizing LANDSAT Imagery to Monitor Land-Use
Change: A Case Study in Ohio," Remote Sensing of Environment,
Vol. 9, No. 3, May 1980, pp. 189-196.
- Steven I. Gordon and Richard K. Fromuth, "A Point Non-Point
Source Model of Dissolved Oxygen for the Great Miami River,"
Journal of Environmental Systems, Vol. 10, No. 3, 1980-81, p.
185-200.
- Steven I. Gordon, Gary Fowler, and J.C. Randolph, "Utilization of
a Regional Power Plant Site Screening Model to Test Siting and
Environmental Policies," Northeast Regional Science Review, Vol.
11, May 1981.
- Steven I. Gordon and Gaybrielle E. Gordon, "The Accuracy of Soil
Survey Information for Urban Land Use Planning," Journal of the
American Planning Association, Vol. 47, No. 3, July,
1981, p. 301-312.
- Steven I. Gordon, "Large Scale Computer Models As An Aid to
Environmental Planning Education," Engineering Education,
November, 1982.
- Steven I. Gordon, "Geographic Information Systems and Modeling
in the United States," Planning in Transition, Ljubljana, Yugoslavia:
Urban Planning Institute of SR Slovenia, April 1985, p. 40-56.
- _____, "The Use of LANDSAT Information in Planning," Planning
in Transition, Ljubljana, Yugoslavia: Urban Planning Institute of SR
Slovenia, April 1985, p. 467-479.
- _____, "The Use of Soil Survey Information in Land Use Planning,"
Planning in Transition, Ljubljana, Yugoslavia: Urban Planning
Institute of SR Slovenia, April 1985, p. 480-503.
- Steven I. Gordon and Andrea VanArsdale, "Simulating the Impacts of
Telecommunications/Transportation Substitution," Technological
Forecasting and Social Change, Vol. 29, 285-294, 1986.
- Steven I. Gordon and Robert D. Klousner, Jr., "Utilizing Landslide Hazard
Information in Planning: An Evaluation of Three Methods,"
Journal of the American Planning Association, 52,4, 431-442, 1986.
- Steven I. Gordon and Sarada Majumder, "Ecological Risk Assessment of
Aquatic Biological Diversity Using a GIS Database, Water Resources
Education Training, and Practice: Opportunities for the Next Century,
American Water Resources Association, Proceedings of the
AWRA/UCOWR Symposium, June 29-July 3, 1997, p. 399-406.
- Alice L. Jones and Steven I. Gordon, From Plan to Practice: Implementing
watershed-based strategies into local, state, and federal policy,

Environmental Toxicology and Chemistry, 19, 4(2), (2000)p. 1136-1142.

Steven I. Gordon and Sarada Majumder, Empirical Stressor-Response Relationships for Prospective Risk Analysis in the Eastern Cornbelt Plains Ecoregion, Environmental Toxicology and Chemistry, 19,4(2), (2000) p. 1106-1112.

J. Pari Sabety and Steven I. Gordon, Assessing a State's Readiness for Global Electronic Commerce: Lessons from the Ohio Experience. Arlington, VA: PricewaterhouseCoopers Endowment for The Business of Government, January, 2001.

Maria Manta Conroy and Steven I. Gordon, Utility of Interactive Computer Based Materials for Enhancing Public Participation. Journal of Environmental Planning and Management, 47,1, p19-33, January, 2004.

Yeo, I. J. M. Guldman, and S.I. Gordon, 2005. Multistage (Top-Down) Optimization Approach to Watershed Conservation to Control Nonpoint Source Water Pollution. Proceedings of Watershed Management Conference 2005, the Environmental and Water Resources Institute of the American Society of Civil Engineers.

Yeo I., S.I. Gordon, and J.M. Guldman, 2004. Optimizing patterns of Land Use to Reduce Peak Runoff Flow and Nonpoint Source Pollution with an Integrated Hydrological and Land-Use Model. Earth Interactions, 8, 8-006:1-20.

In-Young Yeo, Jean-Michel Guldman, and Steven I. Gordon. A hierarchical optimization approach to watershed land use planning. Water Resour. Res., 43:11, W11416, Nov. 2007.

David A. Joiner, Steven Gordon, Scott Lathrop, Marilyn McClelland, Dennis Stevenson, "Applying Verification, Validation, and Accreditation Processes to Digital Libraries", ACM/IEEE-CS Joint Conference on Digital Libraries (JCDL'05), ACM Press, 382, 2005.

Kane, Douglas D., Gordon, Steven I. Munawar, Mohiuddin, Charlton, Murray N., Culver, David A. The Planktonic Index of Biotic Integrity (P-IBI): An approach for assessing lake ecosystem health. Ecological Indicators, 9: 6, p.1234-1247, November 2009.

Gordon, S.I, K. Carey, I. Vakalis. A shared, interinstitutional undergraduate minor program in computational science. Computing in Science and Engineering, 10:5, p. 12-16, Sep-Oct 2008.

(Conference Papers)

Ralph S. Clem and Steven I. Gordon, "Nationality Classification for Geographic Research: The Soviet Union as an Example", Proceedings of the 13th Annual Meeting, Middle States Division, Association of American Geographers, 1972.

Ralph S. Clem and Steven I. Gordon, "A Demographic Characterization of Soviet Nationalities, A Numerical Taxonomic Approach", Rutgers Conference on Models in Geography, Rutgers University, 1973.

Steven I. Gordon, "Subsurface Movement of Septic Tank Wastes: Planning and Management Implications", Proceedings of the Special Water Resources Session, Middle States Division, Association of American Geographers, October, 1974.

Oscar Fisch and Steven I. Gordon, "A Model of County Property Tax Changes in Ohio", Seventh Annual Pittsburgh Conference on Modeling and Simulation, April 26-27, 1976.

- Steven I. Gordon, Leslie K. Bennett, and Judith G. Hollander, "Using Numerical Taxonomy in Land Capability Evaluation", Pittsburgh Conference, op. cit.
- Panelist "Is Physical Geography Being Absorbed by Other Fields", Physical Geographers Caucus, Association of American Geographers Annual Meeting, New York, April, 1976.
- Steven I. Gordon, "Urban Non-Point Water Pollution". International Joint Commission on the Great Lakes, Seminar on Legal and Institutional Mechanisms, 1977.
- Oscar Fisch, Steven I. Gordon, Wilpen L. Gorr, and Burkhard von Rabenau, "The Ohio Gas Allocation Model: The Estimation of Non-Residential Consumption", Pittsburgh Conference on Modeling and Simulation, April 24-26, 1979.
- Oscar Fisch, Steven I. Gordon, Wilpen L. Gorr, and Burkhard Von Rabenau, "The Ohio Gas Allocation Model: Weather Scenarios and Model Simulation", Pittsburgh Conference on Modeling and Simulation, April 24-26, 1979.
- Oscar Fisch, Steven I. Gordon, Wilpen L. Gorr, and Burkhard Von Rabenau, "The Ohio Gas Allocation Model: Non Residential Curtailments and Employment Impacts", Pittsburgh Conference on Modeling and Simulation, April 24-26, 1979.
- Oscar Fisch, Steven I. Gordon, Wilpen L. Gorr, and Burkhard von Rabenau. "The Ohio Gas Allocation Model: Longitudinal and Cross-Sectional Results in the Residential Sector", Pittsburgh Conference on Modeling and Simulation, April 24-26, 1979.
- Steven I. Gordon and Richard K. Fromuth, "Test of a Statistical Dissolved Oxygen Model for the Great Miami River", Pittsburgh Conference on Modeling and Simulation, April 24-26, 1979.
- Oscar Fisch and Steven I. Gordon, "RAS vs. MAN in Minimum Survey Methods of Input-Output Tables", Pittsburgh Conference on Modeling and Simulation, April 24-26, 1979.
- Steven I. Gordon and Gaybrielle Gordon, "Utilizing a Geographic Information System to Test the Consistency of Soil Survey Ratings", 1979 Association of American Geographers Meeting, Philadelphia.
- Gary L. Fowler, S. I. Gordon, J. C. Randolph, "Land Use Impact of Energy Development." Paper presented at American Association of Geographers, Conference on Land Use Issues of Non-Metropolitan America, June 23-25, 1980, University of Maryland.
- Steven I. Gordon, "The Future of Federal Energy, Air Pollution and CDBG Legislation." Invited Paper, Ohio Planning Conference, Columbus, Ohio: OPC, May, 1980.
- Steven I. Gordon, "Monitoring Land Use Changes with LANDSAT Imagery." Invited speaker, Columbus, Ohio: American Society of Photogrammetry, Eastern Great Lakes Region meeting, September 5, 1980.
- J. C. Randolph, Gary L. Fowler, and Steven I. Gordon, "Environmental Policy Issues in Synthetic Fuels Development in the Midwest", paper presented at the Eighth Annual Illinois Energy Conference, Chicago, Illinois, November, 1980.
- Steven I. Gordon, Gary L. Fowler, and J. C. Randolph, "Utilization of a Regional Power Plant Site Screening Model to Test Siting and Environmental Policies", Paper presented at Northeast Regional Science Association meeting, Rutgers University, New Brunswick, New Jersey, May 16, 1981.
- Steven I. Gordon, "Design of a User Oriented Planning Information System", Paper presented at the Association of Collegiate Schools of Planning Conference, Washington, D.C., October 23-25, 1981.

(Conference (Papers))

- Steven I. Gordon, "A Model of Induced Migration from Energy Development in the Ohio River Basin Energy Study Region", Proceedings of the 12th Pittsburgh Conference on Modeling and Simulation, Pittsburgh, Pennsylvania, Instrument Society of America, 1981.
- Steven I. Gordon, "Fossil Fuel Power Plant Siting: A comparison of Alternative Siting Methodologies," Paper presented at the 29th North American Meetings of the Regional Science Association, Pittsburgh, PA, November 14, 1982.
- Steven I. Gordon and Andrea VanArsdale, "Telecommuting and Its Impacts on Urban Form." Paper presented at Association of Collegiate Schools of Planning meeting, New York, 1984.
- Steven I. Gordon, "Groundwater Risk Assessment in Facility Siting," presented at Association of Collegiate Schools of Planning meeting, Atlanta, 1985.
- Steven I. Gordon, "Assessment of the Effectiveness of Areawide Labor/Management Committees as an Economic Development Tool," presented at the annual meeting of the Regional Science Association, Columbus, Ohio, April, 1987.
- Steven I. Gordon, "Using AGNPS and GIS to Identify Alternative Policies for Agricultural Land Management," presented at the Annual Meeting of the Ohio Soil and Water Conservation Districts Association, Columbus, OH 1991.
- Steven I. Gordon, "Integrating GIS with a Model of Stormwater Runoff: Example for the Big Darby Creek Basin," presented at the Annual Meetings of the North American Benthological Society, 1992.
- Steven I. Gordon, "Using GIS and AGNPS to Model Agricultural Non-Point Pollution", Presented at Geographic Information Systems Applications for Water Resources, Water management Association of Ohio. Columbus, OH: May 1994.
- Steven I. Gordon, "Connecting GIS Systems with Environmental Models", Northeast Regional Meetings of the ERDAS User's Group, Autumn, 1994.
- Steven I. Gordon, "Issues in Applying Ecological Risk Assessment at the Watershed Scale," Invited paper. , Water Quality Criteria and Standards for the 21st Century. 4th National Conference. Sponsored by USEPA. Washington, D.C: September, 1994.
- Steven I. Gordon and Sarada Majumder, Empirical Stressor-Response Relationships for Prospective Risk Analysis in the Eastern Cornbelt Plains Ecoregion". Presentation. Modeling and Measuring Ecosystems Vulnerability. Society for Environmental Toxicology and Chemistry and USEPA conference, Seattle, Washington, August, 1998.
- A.L. Jones and Steven I. Gordon, From Plan to Practice: Implementing watershed-based strategies into local, state, and federal policy. Poster. Modeling and Measuring Ecosystems Vulnerability. Society for Environmental Toxicology and Chemistry and USEPA conference, Seattle, Washington, August, 1998.
- Kane, D.D., Culver, D.A., Munawar, M., and Gordon, S.I. 2003. A Planktonic Index of Biotic Integrity (P-IBI) for Lake Erie: Development, Validation, and Application Opportunities. Paper Presented at the 2003 Conference on Great Lakes Research, Chicago, Illinois.
- Yeo, I, J.M. Guldmann, and S.I. Gordon, 2003. Hierarchical Regression Approach to the Global Optimal Solution. AGU Annual Fall Meeting 03, San Francisco, CA.
- Yeo, I, J.M. Guldmann, and S.I. Gordon, 2003. Development of the Optimal Land Use Pattern with Minimal Nonpoint Source Pollution. American Geophysical Union (AGU) Chapman Conference on Ecosystem

Interactions with Land Use. Santa Fe, NM (June 14-18).
 Yeo, I. J.M. Guldmann, and S.I. Gordon, 2004. Land Use Optimization for Nonpoint Source Water Pollution. 2004 Annual Conference of the Association of Collegiate Schools of Planning (October 21-25).
 Steven I. Gordon, Kate Carey, Ignatios Vakalis Implementing an Inter-institutional Undergraduate Computational Science Program. Teragrid 2007 conference, Madison, WI

(Reports)

Steven I. Gordon, Cayuga County Highway Improve Program, Phase One: General Review and a Method of Highway Priority Analysis, Cayuga County Planning Board, November, 1973, 80 pp.
 _____, Cayuga County Mass Transit Plan, Cayuga County Planning Board, November, 1973, 75 pp.
 _____, Cayuga County Data Processing Needs, Cayuga County Planning Board, December, 1974, 65 pp. (Reports)
 _____, Cayuga County Highway Improvement Program, Phase Two: Initial Set of Highway Improvement Priorities, Cayuga County Planning Board, December, 1974, 85 pp.
 Steven I. Gordon and Edward R. Stevens, Building Space Needs for Cayuga County Government Through 1980, Cayuga County Planning Board, January, 1975, 100 pp.
 Edward R. Stevens and Steven I. Gordon, A Review of the Impacts of the Proposed Auburn Estates Project, Town of Owasco, Cayuga County Planning Board, August, 1974. (Reports)
 Oscar Fisch and Steven Gordon, The Ohio Land Allocation Model: Report on Phase I, Columbus, Ohio, Department of Economic and Community Development, 1976.
 Steven I. Gordon, Computer Based Simulation Models in Urban Planning, Task Force on Learning, The Ohio State University, 1976.
 Oscar Fisch and Steven I. Gordon, The Ohio Land Allocation Model: Report on Phase II, Columbus, Ohio, Department of Economic and Community Development, 1976.
 Steven I. Gordon, Potential Economic and Environmental Effects of Industrial Park Sites Along the Appalachian Highway System, with Paul S. Lande and others. Department of City and Regional Planning, The Ohio State University. Presented to the Ohio Department Economic and Community Development, July, 1976.
 Oscar Fisch, Steven I. Gordon, Wilpen L. Gorr, F. Robert Jacobs, James L. Ludwig, Kenneth T. Pearlman, Burkhard von Rabenau, Development of an Energy Allocation Model to Minimize Adverse Socio-Economic Impacts During Periods of Energy Shortage: Data Collection Phase, Columbus, Ohio: The Ohio State University, Department of City and Regional Planning and School of Public Administration, October 17, 1977. Report submitted to The Ohio Energy Resource and Development Agency.
 _____, GASMOD 2 User's Manual: Simulation Model for Natural Gas Supply and Demand in Ohio. Columbus, Ohio: The Ohio State University, Department of City and Regional Planning and School of Public Administration, January, 1978. Submitted to the Ohio Department of Energy.
 Steven I. Gordon, Case Study of the Potential Economic, Environmental, and Public Service Impacts of Energy Development in Appalachian Ohio, with Paul S. Lande and others. Columbus, Ohio: Department of City and Regional Planning, The Ohio State University, June, 1977. Report submitted to the Ohio Department of Economic and Community Development.
The Ohio River Basin Energy Study, Preliminary Technology Assessment

- Report Vol. II - A, Parts 1-3. Report prepared for the Office of Research and Development, U.S. Environmental Protection Agency, May 15, 1977 by The Indiana University, Ohio State University, Purdue University Assessment Team.
- Steven I. Gordon, The Cross Impact Matrix Technology Assessment Technique, ORBES Working Paper #6, March, 1978.
- Oscar Fisch and Steven I. Gordon, Three Approaches to Input- Output Modeling in NSF-RANN Regional Environmental Systems Projects, Report to NSF. Columbus, Ohio: Department of City and Regional Planning, The Ohio State University, 1979.(Reports)
- _____, An Evaluation of the Center for Environment and Man Residuals Model, Report to NSF. Columbus, Ohio: Department of City and Regional Planning, The Ohio State University, 1980.
- _____, An Evaluation of Birch's Community Analysis Model, Report to NSF. Columbus, Ohio: Department of City and Regional Planning, The Ohio State University, 1980.
- _____, An Evaluation of the Oak Ridge National Laboratory Subregional Land-Use Allocation Model, Report to NSF. Columbus, Ohio: Department of City and Regional Planning, The Ohio State University, 1980.
- _____, An Evaluation of Rowe's EMDAS Model, Report to NSF. Columbus, Ohio: Department of City and Regional Planning, The Ohio State University, 1980.
- _____, Applications and Testing of NSF-RANN Sponsored Land Use/Environmental Models in Ohio, Report to NSF. Columbus, Ohio: Department of City and Regional Planning, The Ohio State University, 1980.
- Steven I. Gordon and Anna S. Graham, Site Specific Socio-Economic Impacts: Seven Case Studies in the ORBES Region, Department of City and Regional Planning, The Ohio State University, 1979.
- Steven I. Gordon and Anna S. Graham, Regional Socio-economic Impacts of Alternative Energy Scenarios for the Ohio River Basin Energy Study Region, Department of City and Regional Planning, The Ohio State University, 1980.
- Steven I. Gordon and Christopher Badger, A Model of Migration in the Ohio River Basin Energy Study Region, Department of City and Regional Planning, The Ohio State University, May, 1980.
- Steven I. Gordon et. al., The Costs and Benefits of Annexation in Lima, Ohio for Application on a Regional Basis. Report submitted to Joint Planning Commission, Allen County, Ohio, Department of City and Regional Planning, The Ohio State University, July, 1980.
- Steven I. Gordon and Luc Anselin with others, Economic Development in Ohio: Problems and Prospects. Report submitted to the Economic Development Advisory Committee, Ohio Assembly Committee on Small Business and Economic Development, Representative Rocco Colonna, Chairman. Columbus, Ohio: Department of City and Regional Planning, The Ohio State University, July, 1981.
- _____, High Technology Industry, Port Development and Economic Development in Ohio. Report submitted to the subcommittee on Port Authority, Industrial Development and Construction. Columbus, Ohio: Department of City and Regional Planning, The Ohio State University, July, 1981.
- _____, Report on Finance and Venture Capital. Report submitted to the subcommittee on Finance and Venture Capital, Senator

(Reports)

- Thomas F. Walsh, Chairman. Economic Development Advisory Committee. Department of City and Regional Planning. The Ohio State University, July, 1981.
- Steven I. Gordon, Ohio's Business Development Needs: Report on a Survey of Ohio Businesses. Columbus: Department of City and Regional Planning, The Ohio State University, July, 1982.
- Steven I. Gordon with others. An Evaluation of the Impacts of the Urban Enterprise Zone on Cleveland. Report to the Cleveland Department of Economic Development. Columbus: Department of City and Regional Planning, The Ohio State University, August, 1982.
- Steven I. Gordon. Economic Problems in Ohio: A Summary of Recent Research and Its Policy Implications. Report submitted to Ohio House Committee on Small Business and Economic Development, Representative Rocco Colonna, Chairman. Columbus, OH: Department of City and Regional Planning, January 1983.
- Steven I. Gordon and Sharon Springer. The Potential for High Technology Industry Development in Ohio. Report submitted to Ohio House Committee on Small Business and Economic Development, Representative Rocco Colonna, Chairman. Columbus, OH: Department of City and Regional Planning, May 1983.
- Steven I. Gordon, editor. AICP Exam Review Book. Columbus: Department of City and Regional Planning, The Ohio State University, 1983. Also authored two chapters.
- Steven I. Gordon and Jack L. Nasar. The Future Development of the High Street Commercial Strip: Interactions with the Center for the Visual Arts. Report to Jack Hollander, Vice President for Research and Graduate Studies, OSU. October 1984.
- Steven I. Gordon and George Morse. Profit Sharing and Employee Ownership. Report to The Ohio Manufacturers Association and The Ohio Labor Management Committee. November 1984.
- _____, Area-wide Labor/Management Committees in Ohio. Report to The Ohio Manufacturers Association and The Ohio Labor Management Committee. December 1984.
- Steven I. Gordon, Tom Lemon, Alan Ziccarelli, and George W. Morse. A Review of Financing Programs for Economic Development: Comparison of Ohio and Selected Other States. Report to The Ohio Manufacturers Association and The Ohio Labor Management Committee. March 1985.
- George W. Morse, Kathryn Wilson, and Steven I. Gordon. Local Industry Visitation Programs: Policy Research and Recommendations. Report to The Ohio Manufacturers Association and The Ohio Labor Management Committee. March 1985.
- SSC Task Force. Siting the Superconducting Supercollider in Ohio. Columbus: Ohio State University SSC Task Force. Authored sections on socioeconomic impacts. July 1985.
- Jack Nasar and Steven I. Gordon. Strategies to Enhance the Quality of the High Street Commercial Strip. Report presented to Mayor's Task Force on High Street. October 1985.
- Steven I. Gordon. Survey of Nonpoint Water Pollution Monitoring in Ohio. Columbus, Ohio: Report to the Ohio EPA, 1987.
- Steven I. Gordon, Development of a Curriculum on Nonpoint Water Pollution. Columbus, Ohio: Report to Ohio EPA, 1987.
- Steven I. Gordon, John Fisher, and Peter Battaglia, East Main Street Commercial Revitalization: A Survey of Property Owners and

Businesses. Columbus, Ohio: Report to the Near East Area Commission, September, 1987.

Steven I. Gordon and Tapas Das, Economic Impacts of the Proposed Convention Center and Arena. Columbus, Ohio: Report to the Mid-Ohio Regional Planning Commission, October, 1987.

Steven I. Gordon and John W. Simpson, Final Report, The Big Darby Creek Watershed Project, Columbus, Ohio: Report to the Nature Conservancy and the Center for the Commercial Development of Space, July, 1990.

Steven I. Gordon and John W. Simpson, Maintaining and Improving Water Quality in the Big Darby Creek Watershed: Agricultural and Urban Nonpoint Water Pollution. Report for The Ohio Chapter, The Nature Conservancy, USDA, Soil Conservation Service, The Ohio EPA, Ohio DNR, and the Program on Urban Affairs, OSU, March, 1994.

Steven I. Gordon, Andy D. Ward, Dale A. White, Sarada Majumder, Mi Chen. Integrating Planning, Forecasting, and Watershed Level Ecological Risk Assessment Techniques: A Test in the Eastern Cornbelt Plains Ecoregion. Columbus, OH: Report to the U.S. Environmental Protection Agency on Grant Number R824769. 2000.

Kelly Dufour, Maureen Meehan, Annique Van Kley, Brian Weber, Robert Will, In-Young Yeo with Steven I. Gordon and Maria Manta Conroy. Development and Change in the Big Darby Watershed. Report to the Darby Creek Association. Columbus, OH: Department of City and Regional Planning, The Ohio State University, June, 2001.

J. Pari Sabety and Steven I. Gordon, Assessing a State's Readiness for Global Electronic Commerce: Lessons from the Ohio Experience. Arlington, VA: PricewaterhouseCoopers Endowment for The Business of Government, January, 2001.

CURRENT RESEARCH INTERESTS

Watershed management; The Impacts of Computer Technology on Urban Form; Geographic Information Systems; Environmental Impact Analysis and Modeling; Technology Assessment; Applications of microcomputers to planning and management; Risk Assessment, Computational Science Education.

UNIVERSITY SERVICE:

Organizer of the Greater Columbus Free-Net, 1993-1994

Director, Greater Columbus Free-Net, 1994-Present

Graduate Studies Committee Chairperson, Department of City and Regional Planning, 1981-1985

Chair of equipment committee, member, Graduate Studies Committee, Financial Aid Committee, Department of City and Planning, 1985-present.

School of Architecture Computer Committee, 1982-1990

President's Advisory Committee on Legislative Seminars, 1983-1986.

Center for Mapping Advisory Committee, 1998-2004.

OTHER SERVICE:

Member of the Board, Ohio Chapter APA, 1980-1984.

Professional Development Chairperson, Ohio Chapter APA, 1983-1986.

Editorial Board, Journal of American Planning Association, 1982-84.

Associate Editor, Journal of Planning Literature 1984-Present.

Reviewer, Journal of the American Planning Association.

Reviewer, USEPA Peer Reviewer, 1997-1999

Reviewer, Journal of Environmental Planning and Management

Columbus Area Cable Television Advisory Commission 1998-2003.

Big Darby Accord Advisory Panel 2008-present.