

VITA

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TEACHING EXPERIENCE

8/84 - present

Department of Geography and Environmental Planning
Towson University
Baltimore, Maryland

Professor. Responsible for teaching undergraduate and graduate courses. Undergraduate courses include physical geography, computer applications in geography, introduction to geographic information systems, geographic information systems applications, remote sensing and digital image processing, computer mapping, techniques of environmental planning, and outdoor recreation planning and management. Graduate courses include graduate seminars on geographic information systems and the geography of outdoor recreation. Also serve as Director Emeritus of the Center for Geographic Information Sciences. Also serve as a member of several master's thesis committees. Developed an automated file of undergraduate majors and minors and graduate students for the Department, and served as the coordinator of the planning credential program (9/86 - 8/91). Conducted an annual summer travel/study course to Alaska (1991-2002 and 2004). Classroom teaching assignments require knowledge of PC-compatible microcomputers along with knowledge of various GIS and image processing software. Current research interests include: geographic information systems, remote sensing/digital image processing, outdoor recreation planning and management, and the regional geography of Alaska. Promoted to Associate Professor and awarded tenure Spring, 1991. Promoted to Professor Spring, 1997. Appointed Technical Director of the GIS Laboratory, Fall, 1991, Director of the Center for Geographic Information Sciences, Fall, 1995, and Director Emeritus of the Center for Geographic Information Sciences, Fall, 2005. Between 1996 and September, 2005 served as principal investigator on GIS contracts and grants from government agencies and businesses totaling more than \$12.4 million. Currently receive 12 semester hours of release time annually to develop the new academic Geospatial Research and Education Laboratory within the Department of Geography and Environmental Planning.

1/89 - 5/90

University of Maryland Baltimore County
Department of Geography
Baltimore, Maryland

Assistant Professor (part-time). Responsible for teaching an undergraduate course on introduction to geographic information systems during the Spring 1989 and Spring 1990 terms.

1/82 - 12/84

University of Maryland
Department of Recreation
College Park, Maryland

Instructor (part-time). Responsible for teaching an undergraduate course on computer applications in leisure services, and a graduate course on advanced computer applications in leisure services. Also served as a member on several doctoral and master's committees (elected an associate member of the graduate faculty, 1/9/85). Classroom teaching assignments required knowledge of BASIC and FORTRAN programming, and data processing techniques for a Sperry 1100/92 mainframe computer.

8/81 - 12/81

Towson University
Department of Geography and Environmental Planning
Baltimore, Maryland

Instructor (part-time). Responsible for teaching an undergraduate course on outdoor recreation planning and management.

9/78 - 12/78

University of Maryland, Baltimore County
Department of Geography
Baltimore, Maryland

Instructor (part-time). Responsible for co-teaching (with James E. Manley) an undergraduate course on computer graphics.

OTHER EMPLOYMENT

6/77 - 8/84

Baltimore County Office of Planning and Zoning
Comprehensive Planning Division
Information Systems Section
Baltimore, Maryland

Planner II and III. Head of the Information Systems Section. Examples of work program related duties performed included: developing and maintaining the geographic information systems software (Harvard University IMGRID program) and the raster data base for the Baltimore County Geographic Information System (BCGIS); developing computer-assisted files of planning data, particularly the County's automated growth monitoring system; conducting socio-economic research, including the preparation of yearly population estimates and periodic population projections; and supervising

professional and technical personnel. Examples of other duties performed include: preparing computer maps for Office of Planning and Zoning and other users of BCGIS; assisting in the preparation of County master plans, including the County's local recreation plan; representing Baltimore County on regional and state committees; and conducting computer training courses for Office of Planning and Zoning staff. Assisted the County Administrative Officer in the development of a microcomputer policy for Baltimore County. Provided technical assistance to the County Council during the 1980 councilmanic redistricting process. Awarded a grant from the Maryland Historical Trust to support the development of a computer-assisted file of historical and archeological sites, and a grant from the Coastal Zone Administration (Maryland Department of Natural Resources) to support the development of the raster data base for BCGIS. Duties required knowledge of FORTRAN programming and data processing techniques for an IBM 4341 mainframe computer.

7/74 - 5/77

Maryland Department of State Planning
Comprehensive State Planning Division
Environmental and Physical Resources Planning Section
Baltimore, Maryland

Planner III and IV. Assisted John C. Antenucci in managing and operating the Maryland Automated Geographic Information (MAGI) System. Examples of duties performed included: maintaining the geographic information systems software (Environmental Systems Research Institute GRID program) and the raster data base for the MAGI System; preparing computer maps for Department of State Planning and other users of the MAGI System; assisting in the preparation of a state land use plan and the 1977 "State Comprehensive Outdoor Recreation Plan;" and supervising technical personnel. Duties required knowledge of FORTRAN programming and data processing techniques for a Sperry 1100/92 mainframe computer.

5/72 - 7/74

Baltimore County Office of Planning and Zoning
Comprehensive Planning Division
Environmental Studies Section
Baltimore, Maryland

Planning Technician II and III. Provided technical assistance to the work programs of the Environmental Studies Section. Examples of duties performed included: preparing the "Natural Resources Inventory," an inventory and analysis of Baltimore County's biophysical environment; assisting in the preparation of the "Comprehensive Open Space and Recreation Plan;" reviewing development plans and zoning petitions with regard to their environmental impact; writing environmental impact statements; reviewing proposed state legislation; assisting the Soil Conservation Service in the development of the soil survey of Baltimore County; and supervising technical personnel.

6/69 - 5/70

Baltimore County Office of Planning and Zoning
 Comprehensive Planning Division
 Research and Policy Planning Section
 Baltimore, Maryland

Planning Technician I and II. Provided technical assistance to the work programs of the Research and Policy Planning Division. Examples of duties performed included: assisting in the preparation of the open space element of the County master plan; assisting in the preparation of the "Western Run Watershed Plan" (PL 566); assisting in the field mapping of rural non-farm land uses; and assisting the Soil Conservation Service in the preparation of the "Soil Survey of Baltimore County, Maryland."

MILITARY SERVICE

5/72 – 6/75

U.S. Army Reserve

Reserve Officer. Served as a member of the standby reserve. Promoted to Captain (6/5/75). Discharged (honorable) from U.S. Army Reserve (6/30/75).

11/70 - 5/72

U.S Army Europe

Engineer Topographic Center

656th Engineer Battalion (Topographic) (Army)

Schwetzingen, Germany

Geographic Officer, 139th Engineer Detachment (Terrain). Assisted in the production of classified terrain intelligence. Examples of duties performed included supervising the computerization of lines of communications (highways, railways, and inland waterways) data for selected European countries (including several former Soviet bloc countries), and preparing a classified "Engineer Reconnaissance Report" on the upper Main River valley for the U.S. Army Command and General Staff College. Attended a computer programming (FORTRAN) course at the U.S. Army School Europe (Oberammergau, Germany). Held a Secret/NATO Secret security clearance. Traveled throughout Europe during 18-month tour of duty. Promoted to First Lieutenant (5/24/71). Military occupational specialties held during active duty service included 1331 (Combat Engineer Platoon Leader), 7915 (Topographic Engineer Officer), and 8311 (Geographer).

5/70 - 11/70

U.S. Army Engineer School

Fort Belvoir, Virginia

Student Officer. Attended the 9-week Engineer Officer Basic and the 12-week Topographic Engineer Officer courses. The Topographic Engineer Officer Course (8/70 - 11/70) included instruction in surveying (180 hours), cartography (152 hours), map reproduction (78 hours), and terrain intelligence (47 hours).

7/67 – 6/69

U.S. Army Reserve Officers Training Corps
Johns Hopkins University
Baltimore, Maryland

Cadet. Attended the 2-year Army Reserve Officer Training Corps (ROTC) program at the Johns Hopkins University while enrolled in an undergraduate degree program at Towson University. Attended basic training (6/67 – 8/67) at the Infantry School, Fort Benning, Georgia and advanced training (6/68 – 8/68) at Fort Indiantown Gap, Pennsylvania. Commissioned a Second Lieutenant and assigned to the Corps of Engineers (6/5/69).

EDUCATION

1/76 - 12/80

University of Maryland
College Park, Maryland

Awarded Doctor of Philosophy degree (12/22/80). Majored in outdoor recreation planning and management; minored in geography. Enrolled in the Doctor of Philosophy degree program in Geography (1/76 - 8/77). All geography coursework (17.0 credit hours) was considered "minor or supporting coursework" and was counted toward the Doctor of Philosophy degree program in Recreation. Employed (part-time) as a research assistant with the Department of Recreation (9/77 -12/80). Research assistant duties included installing geographic information system software (Yale University MAP program) on a UNIVAC mainframe computer, and developing raster data bases and preparing computer maps for several outdoor recreation research projects. The research projects, which were conducted by the Department of Recreation for various State agencies, included a study of recreational boating on selected Chesapeake Bay estuaries, a study of the Monocacy River corridor as a recreational resource, a physical carrying capacity study of the Savage River State Forest, and a study of the recreational use of selected areas of the Patapsco Valley State Park. Doctoral dissertation directed by Dr. Fred R. Kuss.

6/72 - 12/75

Towson University
Baltimore, Maryland

Awarded Master of Arts degree (12/30/73). Majored in geography and environmental planning. Offered a graduate assistantship by the Department of Geography and Environmental Planning. Installed computer mapping software (Harvard University SYMAP program) on a UNIVAC mainframe computer for the Department of Geography. Completed additional coursework (37.0 credit hours) following Master of Arts degree program (2/74 - 12/75). Employed (part-time) as an Assistant Instructor with the Department of Physics. Assistant instructor duties included conducting field trips for an introductory geology course for Dr. John R. Bareham.

9/65 - 5/69

Towson University
Baltimore, Maryland

Awarded Bachelor of Arts degree (6/1/69). Majored in geography. Employed (part-time) as a student assistant with the Department of Geography. Student assistant duties included performing cartographic and map library work for Dr. David Firman.

PROFESSIONAL PUBLICATIONS

Morgan, John M. III. 2009. *Strategic Plan for Geospatial Education in Maryland*. Baltimore, Maryland: Maryland State Geographic Information Committee.

Morgan, John M. III and Matthew S. Felton. 2003. *Geographic Information Systems and Emergency Management: Lessons Learned During Hurricane Isabel*. Baltimore, Maryland: Towson University Center for Geographic Information Sciences.

Morgan, John M. III, Barbara B. Fleury, and Richard A. Becker. 1996. *1996 Directory of Academic GIS Education*. Dubuque, Iowa: Kendall/Hunt Publishing Co.

Glass, Gregory E., Brian S. Schwartz, John M. Morgan, III, Dale T. Johnson, Peter M. Noy, and Ebenezer Israel. 1995. Environmental Risk Factors for Lyme Disease Identified with Geographic Information Systems. *American Journal of Public Health* 85(7): 944-948.

Glass, Gregory E., Felix P. Amerasinghe, John M. Morgan, III, and Thomas W. Scott. 1994. Predicting 'Ixodes Scapularis' Abundance on White-Tailed Deer Using Geographic Information Systems. *American Journal of Tropical Medicine and Hygiene* 51(5): 538-544.

Stevenson, Marshall L. Jr., and John M. Morgan, III. 1994. *Physical Geography Course Materials*. 3rd ed. Dubuque, Iowa: Kendall/Hunt Publishing Co.

Morgan, John M. III, and Barbara B. Fleury. 1993. Academic GIS Education: Assessing the State of the Art. *GeoInfoSystems* 3(4): 33-37, 40. Also served as "consulting editor" of the April special issue on GIS education.

Glass, Gregory E., John M. Morgan, III, Dale T. Johnson, Peter M. Noy, Ebenezer Israel, and Brian S. Schwartz. 1992. Infectious Diseases Epidemiology and GIS: A Case Study of Lyme Disease. *GeoInfoSystems* 2(10): 65-69.

Morgan, John M. III, and Barbara B. Fleury. 1992. Academic GIS Directory: GIS in Higher Education. *GeoInfoSystems* 2(5): 51-73.

Morgan, John M. III. 1990. Education and Training: Meeting the Rising Demand for GIS personnel. *GeoInfoSystems* 1(0): 22-23, 72.

- Morgan, John M. III, and Genevieve R. Bennett. 1990. *Directory of Academic Departments Offering GIS Courses*. Bethesda, Maryland: American Society for Photogrammetry and Remote Sensing, American Congress on Surveying and Mapping, and Association of American Geographers.
- Morgan, John M. III, comp. 1989. *The Strawberry Hill Nature Center and Preserve: An Environmental Inventory and Assessment*. Baltimore: The Morgan Group, Inc. Research report completed as part of a grant awarded by a non-profit organization (The Strawberry Hill Foundation, Inc.) to The Morgan Group, Inc.
- Morgan, John M. III, and Jeffrey C. Gardner. 1988. *Computer Applications in Recreation and Parks: A Selected Bibliography for Practitioners and Researchers*. Alexandria, Virginia: National Recreation and Park Association.
- Morgan, John M. III. 1987. Academic Geographic Information Systems Education: A Commentary. *Photogrammetric Engineering and Remote Sensing* 53(10): 1443-1445.
- Morgan, John M. III, and Fred R. Kuss. 1986. Soil Loss as a Measure of Carrying Capacity in Recreation Environments. *Environmental Management* 10(2): 263-270.
- Kuss, Fred R., and John M. Morgan, III. 1986. A First Alternative for Estimating the Physical Carrying Capacities of Natural Areas for Recreation. *Environmental Management* 10(2): 255-262.
- Morgan, John M. III. 1986. Academic Geographic Information Systems Education: Addressing Unanswered Questions. In *Geographic Information Systems in Government*, ed. Bruce K. Opitz, Vol. 2, pp. 887-893, Hampton, Virginia: A. Deepak Publishing (Science and Technology Corporation). Paper presented at the Geographic Information Systems in the Government Workshop (sponsored by the U.S. Army Engineer Topographic Laboratories), December 13, 1985, Springfield, Virginia.
- Kuss, Fred R., and John M. Morgan, III. 1984. Using the USLE to Estimate the Physical Carrying Capacity of Natural Areas for Outdoor Recreation Planning. *Journal of Soil and Water Conservation* 39(6): 383-387.
- Morgan, John M. III, and Jo H. McLaughlin. 1984. No Longer Handmade: Automating Registration. *Parks & Recreation* 19(11): 42-44.
- Morgan, John M. III. 1983. Computer-Assisted Supply and Demand Analysis for Local Outdoor Recreation Planning. In *Proceedings of the National Workshop on Computers in Recreation and Parks*, ed. S. Lamphear, pp. 110-126, Arlington, Virginia: National Recreation and Park Association. Paper presented at the Sixth National Workshop on Computers in Recreation and Parks (National Recreation and Park Association), July 15, 1982, Silver Spring, Maryland.

- Morgan, John M. III, and Fred R. Kuss. 1982. Computer Mapping of the Monocacy River Corridor. In *An Investigation of the Monocacy River as a Scenic and Recreational Resource*, ed. Fred R. Kuss et al., Vol. II, pp. 89-124, Technical Report 67, College Park: University of Maryland Water Resources Research Center.
- Morgan, John M. III. 1980. *Computer-Assisted Application of the Universal Soil Loss Equation as a First Approximation of the Physical Carrying Capacity of Backcountry Areas for Dispersed Recreational Use*. Unpublished Ph.D. dissertation, Department of Recreation, University of Maryland, College Park, Maryland.
- Kuss, Fred R., and John M. Morgan, III. 1979. Estimating the Physical Carrying Capacity of Recreation Areas: A Rationale for Application of the Universal Soil Loss Equation. *Journal of Soil and Water Conservation* 35(2): 87-89.
- Colton, Craig W., David G. Pitt, John M. Morgan, III, and Thomas H. Chaney. 1979. Behaviors and Perceptions of Recreational Boaters. In *Proceedings of the First Annual National Conference on Recreation Planning and Development*, Vol. 1, pp. 171-182, New York: American Society of Civil Engineers. Also Scientific Article No. A2468, Contribution No. 5606 of the Maryland Agricultural Experiment Station.
- Pitt, David G., Craig W. Colton, John M. Morgan, III, and Thomas H. Chaney. 1979. Defining Congestion Among Recreational Boaters. In *Proceedings of the First Annual Conference on Recreation Planning and Development*, Vol. 1, pp. 248-260, New York: American Society of Civil Engineers. Also Scientific Article No. A2467, Contribution No. 5606 of the Maryland Agricultural Experiment Station.
- Morgan, John M. III. 1973. On John Fraser Hart's "Rules of Writing." *Professional Geographer* 25(2): 175-176.

PROFESSIONAL PAPERS PRESENTED (2000 – PRESENT)

- Kutz, Frederick W., John M. Morgan, III, and Jeremy Monn. 2009. *Geospatial Characterization of Agriculture in the Chincoteague Bay Sub-Basin*. Paper presented at the 23rd Annual Towson University Geographic Information Sciences Conference. Baltimore, Maryland, March 16, 2009.
- Morgan, John M. III. 2009. *MarylandView Update*. Mini-workshop presented at the 23rd Annual Towson University Geographic Information Sciences Conference. Baltimore, Maryland, March 16, 2009.
- Morgan, John M. III. 2008. *Incorporating an Online GIS Course as Part of a Graduate Program in Integrated Homeland Security Management*. Paper presented at the 2008 ESRI Homeland Security GIS Summit, Scottsdale, Arizona, October 23, 2008.

- Morgan, John M. III. 2008. *OpenLayers: An Open Source Web Mapping Application*. Paper presented at the 22nd Annual Towson University Geographic Information Sciences Conference, Baltimore, Maryland, March 18, 2008.
- Lu, Kang Shou, Jeffrey Allen, and John M. Morgan, III. 2007. *Integrating Land Use Change and Gap Analysis: A Neural Model to Simulate Urban Expansion and Its Impact on Coastal Ecosystems*. Paper presented at the Eco Summit, Beijing, China, May 25, 2007.
- Morgan, John M. III. 2007. *MarylandView: Promoting Satellite Remote Sensing in Support of Applied Research, K-16 Education, Workforce Development, and Technology Transfer in Maryland*. Paper presented at the 20th Annual Towson University Geographic Information Sciences Conference, March 19, 2007, Baltimore, Maryland.
- Morgan, John M. III, John C. Contestabile, and Matthew S. Felton. 2006. *Developing a Web-Based GIS in Support of Maryland's Emergency Management and Homeland Security Efforts: A Unique GIS Implementation Case Study*. Paper presented at the 2006 ESRI Homeland Security GIS Summit, October 25, 2006, Denver, Colorado
- Morgan, John M. III. 2006. *GIS: The "Common Operating Picture" for Emergency Management and Homeland Security*. Keynote presentation conducted for the Seventh Annual Central Appalachian Geo-Spatial Conference, August 25, 2006, Canonsburg, Pennsylvania.
- Morgan, John M. III. 2006. *Geography, Geographic Information Systems, and Public Health: Considerations of K-12 Teachers*. Plenary presentation conducted for the EnviroHealth Connections 2006 Summer Institute at the Johns Hopkins Bloomberg School of Public Health, July 17, 2006, Baltimore, Maryland.
- Morgan, John M. III. 2006. *Preparing for a Possible Avian Flu Pandemic: GIS Considerations*. Paper presented at the Delaware GIS 2006 Conference, June 1, 2006, Newark, Delaware.
- Morgan, John M. III, and Thomas R. Mueller. 2006. *GIS Software Alternatives for K-12 Teachers*. Paper presented at the 19th Annual Towson University Geographic Information Sciences Conference, March 21, 2006, Baltimore, Maryland.
- Mueller, Thomas R. and John M. Morgan, III. 2006. *GIS Data Alternatives for K-12 Teachers*. Paper presented at the 19th Annual Towson University Geographic Information Sciences Conference, March 21, 2006, Baltimore, Maryland.
- Morgan, John M. III. 2006 *Development of a Strategic Plan for GIS Education in*

- Maryland*. Paper presented at the 19th Annual Towson University Geographic Information Sciences Conference, March 21, 2006, Baltimore, Maryland.
- Morgan, John M. III. 2005. *AmericaView: Promoting Satellite Remote Sensing in Support of Applied Research, K-16 Education, Workforce Development, and Technology Transfer*. Paper presented at the 19th Annual Towson University Geographic Information Sciences Conference, March 20, 2006, Baltimore, Maryland.
- Caret, Robert L., James P. Clements, and John M. Morgan, III. 2005. *Innovative Techniques for Using GIS to Prepare and Respond to Natural Catastrophes and Terrorist Events*. Paper presented at the 11th Annual International CUMU Conference, October 3, 2005, Los Angeles, California.
- Morgan, John M. III. 2005. *AmericaView: Promoting Satellite Remote Sensing in Support of Applied Research, K-16 Education, Workforce Development, and Technology Transfer*. Paper presented at the 13th Annual Imaging and Geospatial Information User's Conference, September 28, 2005, Silver Spring, Maryland.
- Morgan, John M. III and Matthew S. Felton. 2005. *GIS Application Development and Implementation in Maryland*. Plenary presentation conducted at the ESRI Homeland Security Summit, September 12, 2005, Denver, Colorado.
- Morgan, John M. III. 2005. *EMMA and MEGIN: New Geospatial Tools for Emergency Management*. Paper presented at the 6th Annual Appalachian Geo-Spatial Conference, August 26, 2005, Canonsburg, Pennsylvania.
- Kutz, Frederick. W., John M. Morgan, III, et al. 2005. *The Towson/NASS 2002 Agricultural Cropland Project*. Paper presented at the 2005 Maryland Environmental Public Health Tracking Summer Conference: Analysis of EPHT Data, August 22, 2005, Baltimore, Maryland.
- Morgan, John M. III, Jack Dangermond, John C. Antenucci, Ashley M. Lesh, Charles J. Bizzell. *The Maryland Automated Geographic Information System: Reflections After 30 Years*. Paper presented at the 25th Annual International ESRI Users Conference, July 27, 2005, San Diego, California.
- Morgan, John M. III. 2005. *Emergency Management Mapping Application*. Paper presented at the Government Security Expo and Conference (GovSec 2005), May 25, 2005, Washington, DC.
- Morgan, John M. III. 2005. *Emergency Management Mapping Application*. Paper presented at the Institute of Fire Engineers Conference, April 15, 2005, Indianapolis, Indiana.

- Morgan, John M. III and Michelle Heroux-Bynum. 2005. *Development of a Land Cover Map for Maryland*. Paper presented at the 18th Annual Towson University Geographic Information Sciences Conference, March 21, 2005, Baltimore, Maryland.
- Morgan, John M. III and Matthew S. Felton. 2005. *Developing Internet Mapping Applications Using ArcIMS: Lesson Learned and Best Practices*. Paper presented at the Alaska Surveying and Mapping Conference, February 23, 2005, Anchorage, Alaska.
- Morgan, John M. III. 2004. *Emergency Management Mapping Application*. Paper presented at the ESRI Eastern Shore ArcView User Group Meeting, December 9, 2004, Princess Anne, Maryland.
- Contestabile, John M., John M. Morgan, III, and Matthew S. Felton. 2004. *GIS for Emergency Management Mapping Application: What are EMMA and MEGIN?* Paper presented at the All Hazards Forum, December 2, 2004, Baltimore, Maryland.
- Morgan, John M. III, Matthew S. Felton, and John M. Contestabile. 2004. *Emergency Management Mapping Application*. Paper presented at the 4th Annual DC Region Incident Management and Homeland Security Conference, October 28, 2004, Upper Marlboro, Maryland.
- Morgan, John M. III. 2004. *Emergency Management Mapping Application*. Paper presented at the ESRI Western Maryland GIS Users Group Meeting, October 27, 2004, Cumberland, Maryland.
- Morgan, John M. III. 2004. *Synergy Project Update*. Paper presented at the Annual meeting of the NASA Mid-Atlantic Space Grant Consortia, September 23, 2004, Newark, New Jersey.
- Morgan, John M. III. 2004. *Developing Internet Mapping Applications Using ArcIMS*. Paper presented at the Western Pennsylvania GIS Conference, August 27, 2004, Canonsburg, Pennsylvania.
- Snodgrass, Joel W., Martin C. Roberge, and John M. Morgan, III. 2004. *Relationships Between Remotely Sensed Land Cover Data and Hydrology in an Urban Metropolitan Area*. Paper presented at the Society for Conservation Biology Annual Conference, August 1, 2004, New York, New York.
- Morgan, John M. III, Martin C. Roberge, and Kent B. Barnes. 2004. *Developing Impervious Surface Maps for the Mid-Atlantic Region Using Landsat 7 Imagery*. Paper presented at the American Society of Photogrammetry and Remote Sensing Annual Conference, May 26, 2004, Denver, Colorado.

- Morgan, John M. III, Matthew S. Felton, and Charles Bizzell. 2004. *Emergency Management Mapping Application (EMMA)*. Paper conducted at the 17th Annual Towson University Geographic Information Sciences Conference, March 23, 2004, Baltimore, Maryland.
- Roberge, Martin C., Joel W. Snodgrass, and John M. Morgan, III. 2004. *Empirical Relationships Between Impervious Surface Cover and Stream Hydrology and Geomorphology in the Baltimore Region*. Paper presented at the 17th Annual Towson University Geographic Information Sciences Conference, March 22, 2004.
- Morgan, John M. III. 2004. *NASA/Raytheon Synergy Project Web Mapping*. Paper presented at the 17th Annual Towson University Geographic Information Sciences Conference, March 22, 2004, Baltimore, Maryland.
- Roberge, Martin C., Joel W. Snodgrass, and John M. Morgan, III. 2004. *Empirical Relationships Between Impervious Surface Cover, Stream Hydrology, and Channel Morphology*. Paper presented at the Annual Meeting of the Association of American Geographers, March 16, 2004, Philadelphia, Pennsylvania.
- Morgan, John M. III and Matthew S. Felton. 2004. *Landscape Characterization Efforts in the Chesapeake Bay Watershed and Mid-Atlantic: An Overview of Towson University's NASA/Raytheon/Synergy Project*. Paper presented at the Mid-Atlantic Land Use/Land Cover Conference, January 8, 2004, Baltimore, Maryland.
- Snodgrass, Joel W., John M. Morgan, III, and Martin C. Roberge. 2004. *Empirical Relationships Between Impervious Surface Cover and Stream Hydrology*. Paper presented at the Mid-Atlantic Land Use/Land Cover Conference, January 8, 2004, Baltimore, Maryland.
- Morgan, John M. III. 2003. *Geospatial Data for Environmental Assessments and Vulnerability Studies*. Paper presented at the ReVA-MAIA Conference: Using Science to Assess Environmental Vulnerabilities, May 15, 2003, Valley Forge, Pennsylvania.
- Morgan, John M. III and Matthew S. Felton. 2003. *Towards a Typology of Internet Mapping Applications*. Paper presented at the American Society of Photogrammetry and Remote Sensing Annual Meeting, May 9, 2003, Anchorage, Alaska
- Morgan, John M. III, Kent B. Barnes, and Martin C. Roberge. 2003. *Using Landsat Imagery to Map Urban Sprawl in the Mid-Atlantic States*. Paper presented at the American Society of Photogrammetry and Remote Sensing Annual Meeting, May 9, 2003, Anchorage, Alaska.
- Morgan, John M. III, Kent B. Barnes, and Martin C. Roberge. 2003. *Mapping Urban*

- Sprawl in the Mid-Atlantic Using Landsat Imagery: The NASA/Raytheon Synergy Project.* Paper presented at the Annual Meeting of the Association of American Geographers, March 6, 2003, New Orleans, Louisiana.
- Morgan, John M. III, Kent B. Barnes, and Martin C. Roberge. 2002. *Developing Impervious Surface Maps for the Mid-Atlantic Region Using Landsat 7 Imagery.* Poster presented at the Pecora 15 and LandSatellite Information Conference, November 14, 2002, Denver, Colorado.
- Morgan, John M. III. 2002. *Teacher/Student GPS-Based Ground Truth Data Collection in the Mid-Atlantic: Towson University's NASA/Raytheon/Synergy Project.* Poster presented at the National Council of Space Grant Directors Annual Meeting, October 29, 2002, San Juan, Puerto Rico.
- Roberge, Martin C., Kent B. Barnes, and John M. Morgan, III. 2002. *Comparing Our Community's Impact on the Chesapeake Bay: An Assessment of Impervious Surfaces Across Maryland.* Paper presented at the Annual Meeting of the Association of American Geographers, March 22, 2002, Los Angeles, California.
- Morgan, John M. III. 2001. *GIS and Environmental Health.* Paper presented at the Maryland Department of Health and Mental Hygiene GIS Conference, November 7, 2001, Baltimore, Maryland.
- Morgan, John M. III. 2001. *Impervious Surface Mapping of the Chesapeake Bay Watershed.* Paper presented at the 7th Annual Meeting of the Maryland Water Monitoring Council, November 16, 2001, Linthicum, Maryland.
- Morgan, John M. III, Kent B. Barnes, and Martin C. Roberge. 2001. *Developing Impervious Surface Maps for the Chesapeake Bay and Maryland Coastal Bay Watersheds.* Paper presented at the International Geoscience and Remote Sensing Symposium, July 11, 2001, Sydney, Australia.
- Morgan, John M. III. 2001. *Synergy Phase II: Developing Sprawl Metrics and Forest Fragmentation Statistics for the Chesapeake Bay Watershed.* Paper presented at the 14th Annual Towson University GIS Conference, May 7, 2001, Baltimore, Maryland.
- Morgan, John M. III. 2001. *Synergy Phase I: Mapping Impervious Surfaces in the Chesapeake Bay Watershed.* Paper presented at the 14th Annual Towson University GIS Conference, May 7, 2001, Baltimore, Maryland.
- Morgan, John M. III. 2001. *Developing Impervious Surface Maps for the Chesapeake Bay and Maryland Coastal Bay Watersheds.* Paper presented at the 2001 ASPRS Annual Conference, April 25, 2001, Maryland.

- Morgan, John M. III. 2001. *Mapping Impervious Surfaces Using Landsat Imagery*. Paper presented at the Mid-Atlantic States Regional Land Use/Land Cover Workshop, March 14, 2001, Fort Meade, Maryland.
- Morgan, John M. III. 2001. *Using Landsat 7 Imagery in the K-12 Classroom*. Paper presented at the Maryland State Department of Education's Eisenhower Professional Staff Development Conference, March 8, 2001, Linthicum, Maryland.
- Felton, Matthew S., John M. Morgan, III, Martin C. Roberge, and Kent B. Barnes. 2001. *Mapping the Impervious Surfaces of the Chesapeake Bay Watershed*. Paper presented at the Annual Meeting of the Association of American Geographers, March 3, 2001, New York, New York.
- Morgan, John M. III, Kent B. Barnes, and Martin C. Roberge. 2001. *Developing Impervious Surface Maps for the Chesapeake Bay and Maryland Coastal Bays Watersheds*. Paper presented at the Annual Meeting of the Association of American Geographers, March 2, 2001, New York, New York.
- Morgan, John M. III. 2000. *Use of Satellite Imagery for Mapping Impervious Surfaces in Support of Urban Stormwater Management Programs*. Paper presented at the Pecora 14 LandSatellite Information III Conference, December 9, 2000, Denver, Colorado.
- Morgan, John M. III. 2000. *Development of an Impervious Surface Map for Maryland: A New Tool in Support of Smart Growth*. Paper presented at the Maryland Technology Showcase, December 6, 2000, Baltimore, Maryland.
- Morgan, John M. III. 2000. *Mapping Impervious Surfaces - Opportunities for Environmental Education*. Paper presented at the Maryland State Department of Education's Annual Environmental Education Briefing, November 21, 2000, Annapolis, Maryland.
- Morgan, John M. III. 2000. *Mapping Impervious Surfaces in the Chesapeake Bay Watershed*. Paper presented at the 11th Annual Virginia GIS Conference, October 27, 2000, Richmond, Virginia.
- Morgan, John M. III. 2000. *NASA/Raytheon Impervious Surface Mapping Project*. Paper presented at the National Council of Space Grant Directors Meeting, October 17, 2000, Salt Lake City, Utah.
- Morgan, John M. III. 2000. *Impervious Surface Mapping*. Paper presented the 10th Annual Conference of the National States Geographic Information Council, October 2, 2000, Lake Tahoe, Nevada.

Morgan, John M. III. 2000. *The Montgomery County Atlas Project: Using GIS in the K-12 Classroom*. Paper presented at the 13th Annual Towson University Geographic Information Systems Conference, May 2, 2000, Baltimore, Maryland.

Morgan, John M. III, Kent B. Barnes, and Martin C. Roberge. 2000. *Developing an Impervious Surface Map for the Chesapeake Bay and Maryland Coastal Bay Watersheds*. Paper presented at the 13th Annual Towson University Geographic Information Systems Conference, May 1, 2000, Baltimore, Maryland.

Morgan, John M. III. 2000. *The Geographer's Role in GIS Education*. Paper presented at the Annual Meeting of the Association of American Geographers, April 5, 2000, Pittsburgh, Pennsylvania.

RESEARCH IN PROGRESS

Working on a textbook (with Thomas R. Mueller, California University of Pennsylvania) entitled *Geographic Information Systems: A First Look*.

Working on several papers that will summarize the results of research conducted on the NASA/Raytheon/Synergy Project.

Working on a paper that will describe the Emergency Management Mapping Application (EMMA) and the Maryland Emergency Geographic Information Network (MEGIN) concept.

Developing an online workshop entitled *Geographic Information Systems for Emergency Managers*.

RELATED PROFESSIONAL EXPERIENCES

Serve as Director of the Geospatial Research and Education Laboratory, as Director Emeritus of the Center for Geographic Information Sciences, as coordinator of *MarylandView*, and as Towson University's representative to the Program Committee of the Maryland Space Grant Consortium.

Developed and organized an annual Geographic Information Systems Conference at Towson University. Conferences to date were held on June 1-2, 1988, June 6-8, 1989, June 5-7, 1990, June 4-6, 1991, March 19-21, 1992, March 24-27, 1993, June 3-6, 1994, June 6-9, 1995, June 4-7, 1996, May 28-29, 1997, June 2-3, 1998, June 2-3, 1999, May 1-2, 2000, May 7-8, 2001, March 25-26, 2002, June 2-3, 2003, March 22-23, 2004, March 21-22, 2005, March 20-21, 2006, March 19-20, 2007, March 17-18, 2008, and March 16-17, 2009. The 23rd Annual Conference (TUgis 2010) is scheduled for May 24-25, 2010. Information about the conference can be found at <http://tugis.towson.edu/>.

Conducted over 150 one, two, and three-day workshops for the annual meetings of the

Urban and Regional Information Systems Association, the annual GIS/LIS meeting, the annual Alaska Surveying and Mapping Conference, the annual Towson University GIS Conference, the U.S. Professional Development Institute, and the Pennsylvania GIS Conference. The workshops have included *Introduction to Geographic Information Systems*, *Fundamentals of Mapping for Geographic Information Systems*, *Introduction to Remote Sensing and Digital Image Processing*, *Introduction to Spatial Analysis Using Geographic Information Systems*, *Introduction to Data Mining for Geographic Information Systems*, and *GIS for Homeland Security and Emergency Management*.

Organized the Mid-Atlantic Land Use/Land Cover Conference, January 8-9, 2004, Baltimore, Maryland.

Served on the President Caret's Economic Outreach Task Force, 2003.

Organized the First International Conference on GIS Education, October 29-November 1, 1998, Ypsilanti, Michigan. the Second International Symposium on GIS in Higher Education, September 5-8, 1996, Columbia, Maryland, and the Third International Symposium on GIS in Higher Education, October 30-November 2, 1997, Chantilly, Virginia.

Served as chair of the GIS Specialty Group of the Association of American Geographers, 1994-1995. Elected vice chair, April, 1993. Served as immediate past chair, 1995-1996.

Invited to participate in the EPA's Chesapeake Bay Pilot Review for the EMAP Program, Las Vegas, Nevada, January 26-27, 1993. Prepared a report entitled "Accuracy Assessment of EMAP Landscape Characterization Data for Baltimore County, Maryland."

Elected chair of the Maryland Geographic Information Systems Committee, March, 1992.

Served as a member of the Association of American Geographer's Visiting Geographical Scientist Program from 1991 to present.

Served as a reviewer for the College Division of Prentice Hall, Inc. for Tomlin's Geographic Information Systems and the Cartographic Modeling Approach (August, 1989), as a reviewer for W. H. Freeman and Company Publishers for Antenucci's Information Frontier: A Guide to Computer Mapping Technology (December, 1989), and as a reviewer for Oxford University Press for Huxhold's Introduction to Urban Geographic Information Systems (June, 1990).

Appointed to the editorial advisory board of GeoInfoSystems, August, 1990 to September, 1996.

Appointed to the State Mapping Committee by the director of the Maryland Geological Survey, March, 1990.

Selected as one of the original 54 beta reviewers for the "core curriculum" on geographic information systems of the National Center for Geographic Information and Analysis, August, 1989.

Served as a panelist on a session on geographic information systems education at Auto-Carto IX during the annual meeting of the American Society for Photogrammetry and Remote Sensing/American Congress on Surveying and Mapping, April 4, 1989, Baltimore, Maryland.

Organized a program (paper presentations and vendor displays) on computer applications in planning for the annual meeting of the Maryland Chapter of the American Planning Association, September 9, 1983, Columbia, Maryland.

Attended the ERRSAC Remote Sensing Training Course at the Goddard Space Flight Center, 1/21/81 - 1/16/81.

AWARDS AND GRANTS

Received a *Governor's Citation* from Governor Martin O'Malley at the 20th Annual Towson University Geographic Information Sciences Conference "in recognition of the celebration of 20 years of the Towson University Geographic Information Sciences Conference ... with deep appreciation for your tireless efforts to promote the use of GIS within state and local governments to maximize the efficiencies of agencies and to facilitate its use in decision making to help increase the quality of life for the citizens of Maryland ...", March 19, 2007, Baltimore, Maryland.

Received a gift of data and software from Pictometry International Corporation valued at \$535,000.00, 2007.

Between 1994 and September, 2005 served as principal investigator on GIS contracts and grants from government agencies and businesses totaling more than \$12.4 million to the Center for Geographic Information Sciences.

Received a *Governor's Citation* from Governor Parris N. Glendening at the 10th Annual Towson University Geographic Information Sciences Conference "in recognition of your outstanding service to Maryland and its citizens through educational opportunities in geography that emphasize innovation in the development and use of Geographic Information System (GIS) technology ...", May 28, 1997, Baltimore, Maryland.

Received the *Graduate Faculty Teaching Award* at Towson University, Spring, 1994. Selected as one of four finalists for the Graduate Faculty Teaching Award at Towson University, Spring, 1993

Received a *Certificate of Appreciation* from Torrey C. Brown, M.D., Secretary, Maryland

Department of Natural Resources in recognition of the "outstanding effort" of my graduate seminar class to inventory and analyze the lower Susquehanna River for greenway opportunities, December 10, 1992.

Received the *Educator of the Year Award* from the Maryland Chapter of the American Planning Association, November 1, 1990.

Received a \$17,500 research grant from the Maryland Department of the Environment, Hazardous and Solid Waste Management Administration to map and digitize the location of approximately 10,000 underground storage tanks in Maryland, May, 1989. Received a \$19,500 research grant from the same organization in February, 1990 to map and digitize the location of 2,000 groundwater discharge points, 1,000 sludge sites, 500 municipal waste sites, and 250 CERCLIS sites in Maryland.

Received the *Creative Conservation Award* by the Old Line Chapter of the Soil Conservation Society of America, October 23, 1981, for "highly sophisticated, effective application of soil survey and land use data in state, regional, and local planning resulting in greater sensitivity to our resource base."

Received a commendation from the Baltimore County Council, July 6, 1981, for "outstanding efforts on behalf of Baltimore County" during the 1980 councilmanic redistricting process.

Elected to Gamma Theta Upsilon, international honorary geography fraternity, November 1, 1968.

PROFESSIONAL AFFILIATIONS

Alaska Natural History Association
 American Congress on Surveying and Mapping
 American Society of Photogrammetry and Remote Sensing
 Association of American Geographers
 Geospatial Information and Technology Association
 Institute of Electrical and Electronics Engineers, Inc. (Geoscience and Remote Sensing Society)
 National Council for Geographic Education
 National Geographic Society
 Urban and Regional Information Systems Association

PERSONAL DATA

Date of Birth: May 20, 1948
 Place of Birth: Baltimore, Maryland
 Marital Status: Married, 1 son


Health: Good. No physical limitations.

REFERENCES

A list of references will be forwarded upon request.

CERTIFICATION

I certify that this vita is a current and accurate statement of my qualifications.



John M. Morgan, III, Ph.D.

May, 2009