

CURRICULUM VITAE

MICHAEL S. SCOTT, Ph.D., GISP

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Current Position(s)

Interim Dean of the Henson School of Science and Technology at Salisbury University
Professor of Geography at Salisbury University
Director, Eastern Shore Regional GIS Cooperative

Education

- Ph. D. Geography University of South Carolina, 1998
Dissertation: *The Exploration of an Air Pollution Hazard Scenario Using Dispersion Modeling and a Volumetric Geographic Information System*. Dr. Susan Cutter, Chair
- M. S. Geography University of South Carolina, 1994
Thesis: *The Development of an Optimal Path Algorithm in Three-Dimensional Raster Space*. Dr. Daniel Wagner, Chair
- B. S. Geography Salisbury State University, 1992

Professional Certification

Certified Geographic Information System Professional, 2007 – present, #57827

Research Interests

Geographic Information Systems and Science, GIS and Local Governments, GIS and History, Volumetric GIS, Environmental Hazards, Vulnerability, GIS and Society, Analytical Cartography, Visualization

Teaching Interests

GIS Management, GIScience, Hazards, Remote Sensing, Cartography, Quantitative Methods, World Regional Geography

Awards

The Daily Record's Innovator of the Year Award, 2014

University System of Maryland's Wilson H. Elkins Professorship, 2009 - 2010

FEMA's HAZUS-MH User of the Year for the 3rd Quarter, 2009

University System of Maryland Regents' Faculty Award for Public Service, 2008

Outstanding Contribution to GIS in Maryland Award, Towson GIS Conference, 2007

Maryland Chapter of the American Planning Association Award for Public Education or Research, 2006 (for our report on Maryland's vulnerability to flooding)

Publications

Refereed (17)

- Cerulli, D., **Scott, M.**, Aunap, R., Parn, J., & Mander, U. (2017). Global index of natural hazard awareness. *Ecological Indicators*; Submitted.
- Farrow, S. & **Scott, M.S.** (2013). Comparing multistate expected damages, option price and cumulative prospect measures for valuing flood protection. *Water Resources Research* 2013; 49: 2638
- Srinivasan, D. & **Scott, M. S.** (2010). *Flood Mitigation Plan for Cecil County, Maryland*. Elkton, MD: Cecil County Department of Emergency Service. 123 pp.
- Srinivasan, D. & **Scott, M. S.** (2010). *Flood Mitigation Plan for Howard County, Maryland*. Columbia, MD: Howard County Department of Public Works. 121 pp.
- Srinivasan, D., **Scott, M. S.**, & Marsh, S. (2009). *University of Maryland Eastern Shore Hazard Mitigation Plan*. Princess Anne, MD: UMES Department of Facilities Planning. 238 pp.
- Srinivasan, D. & **Scott, M. S.** (2009). *Flood Mitigation Plan for Calvert County, Maryland*. Prince Frederick, MD: Calvert County Department of Planning and Zoning. 115 pp.
- Srinivasan, D. & **Scott, M. S.** (2009). *Dorchester County, Maryland Flood Mitigation Plan*. Cambridge, MD: Dorchester County Emergency Management Agency. 129 pp.
- Srinivasan, D. & **Scott, M. S.** (2009). *City of Takoma Park Flood Plan*. Takoma Park, MD: City of Takoma Park Department of Public Works. 104 pp.
- Srinivasan, D. & **Scott, M. S.** (2008). *City of Salisbury Flood Mitigation Plan*. Salisbury, MD: City of Salisbury Department of Public Works. 118 pp.
- Limpert, D. L., Birch, D. L., **Scott, M. S.**, Andre, M. & Gillam, E (2007). "Tree Selection and Landscape Analysis of Eastern Red Bat Day Roosts." *Journal of Wildlife Management*. 71(2). 478-486.
- Cutter, S. L., Mitchell, J. T., & **Scott, M. S.** (2006). "Revealing the vulnerability of people and places: a case study of Georgetown County, South Carolina." In S. L. Cutter (Ed.), *Hazards, Vulnerability, and Environmental Justice*. London: Earthscan. 83-113.
- Scott, M. S.** & Cutter, S. L. (2006). Using relative risk indicators to disclose toxic hazard information to communities. In S. L. Cutter (Ed.), *Hazards, Vulnerability, and Environmental Justice*. London: Earthscan. 307-326.
- Cutter, S. L., **Scott, M. S.**, & Hill, A. A. (2002). Spatial variability in toxicity indicators used to rank chemical risks. *American Journal of Public Health*. 92(3), 420-422.

- Cutter, S. L., Mitchell, J. T., & **Scott, M. S.** (2000). Revealing the vulnerability of people and places: a case study of Georgetown County, South Carolina. *Annals of the Association of American Geographers*. 90(4), 713-737.
- Thomas, D. S. K., Mitchell, J. T., **Scott, M. S.**, & Cutter, S. L. (1999). Developing a digital atlas of environmental risks and hazards. *Journal of Geography*. 98: 201-207.
- Scott, M. S.** & Cutter, S. L. (1997). Using relative risk indicators to disclose toxic hazard information to communities. *Cartography and Geographic Information Systems*. 24(3): 158-171.
- Scott, M. S.**, Cutter, S. L., Menzel, C., Ji, M., & Wagner, D. (1997). Spatial accuracy of EPA's environmental hazards databases and their use in environmental equity analyses. *Applied Geographic Studies*. 1(1): 45-61.

Non-Refereed (4)

- Scott, M.S.** (2013). *Spatiotemporal Visualization of Local Sensor Networks for Action on Campus*. Position paper for UCSB Specialist Meeting on Advancing the Spatially-Enabled Smart Campus. 2 pp. Available: <http://www.spatial.ucsb.edu/events/ASESC/docs/Scott-position.pdf>
- Scott, M. S.** (2008). *Flood Hazard Vulnerability Assessment for Dorchester County*. Annapolis, MD: Maryland Department of Natural Resources. 112 pp.
- Joyce, J. M. & **Scott, M. S.** (2005). *An Assessment of Maryland's Vulnerability to Flood Damage*. Baltimore, MD: Maryland Department of the Environment. 264 pp.
- Folkoff, M. E., Venso, E. A., Harris, D. W., Frana, M. F., & **Scott, M. S.** (2002). Bacterial Source Tracking of Nonpoint Source Pollution using GIS and DNA Fingerprinting Techniques. In O. A. Khan (Ed.), *Geographic Information Systems & Health Applications*. Hershey, PA: Idea Group Publishing. 208-222.

Proceedings (8)

- Chen X. M., Harris, D., Folkoff, M., **Scott, M.**, Thomas, C., & Drudge, R. (1999). GIS Technology in Social Services. *Proceedings of the 24th National Institute on Social Work and Human Services in Rural Areas*. Princess Anne, Maryland: UMES. 47 – 54.
- Scott, M. S.** (1997). Extending map algebra concepts for volumetric geographic analysis. *Proceedings, GIS/LIS '97*. Cincinnati, Ohio: AAG, ACSM, AM/FM International, ASPRS, and URISA. 307-315.
- Mitchell, J. T., **Scott, M. S.**, Thomas, D. S. K., Cutler, M., Putnam, P., Collins, R. F., & Cutter, S. L. (1997). Mitigating against disaster: assessing hazard vulnerability at the local level. *Proceedings, GIS/LIS '97*. Cincinnati, Ohio: AAG, ACSM, AM/FM International, ASPRS, and URISA. 563-571.
- Scott, M. S.** (1997). The extension of cartographic modeling for three-dimensional geographic analysis. *Proceedings, University Consortium for Geographic Information Science Annual Assembly and Retreat*. Bar Harbor, Maine: UCGIS. www.spatial.maine.edu/ucgis/testproc/scott_m/scottm.html
- Scott, M. S.** & Cutter, S. L. (1996). Environmental equity and GIS: An analysis of the assumptions. In T. Harris and D. Weiner, eds., *GIS and Society: The Social Implications of How People, Space, and Environment Are Represented in GIS*. NCGIA Technical Report 96-7, November 1996. Santa Barbara, CA: National Center for Geographic Information and Analysis. D66 - D69.

Wagner, D. F. & **Scott, M. S.** (1995). Improving the performance of raster GIS: a comparison of approaches to parallelization of cost volume algorithms. *Proceedings, Auto-Carto 12*. Charlotte, North Carolina: American Congress on Surveying and Mapping. 164-176.

Scott, M. S. (1994). The development of an optimal path algorithm in three-dimensional raster space. *Proceedings, GIS/LIS '94*. Phoenix, Arizona: AAG, ACSM, AM/FM International, ASPRS, and URISA. 687-96.

Wagner, D. F., Posey, A. S., & **Scott, M. S.** (1993). Improved best path solutions in raster GIS. *Proceedings, GIS/LIS '93*. Minneapolis, Minnesota: AAG, ACSM, AM/FM International, ASPRS, and URISA. 718-26.

Other (10)

Venso, E. A., Frana, M. F., Folkoff, M. E., **Scott, M. S.**, Harris, D. W., & Phipps-Dickerson, M. (2001). *Fecal Coliform Fingerprints from Nonpoint Source Pollution in the Lower Wicomico River and the Wicomico River Headwaters Watersheds*. Salisbury, Maryland: Salisbury University.

The Project Management Group & The Mapping Science Group. (2001). *Project Access: Developing a Regional Public Transportation System for the Lower Eastern Shore of Maryland, Phase II (2000-2001)*. Salisbury, Maryland: Salisbury University.

Scott, M. S. & Rosing, R. A. (2001). *A Report on a Survey of Access and Use of Public Water-Based Recreation Facilities in the Chesapeake Bay Region*. Chesapeake Bay Program: Annapolis, Maryland

The Project Management Group & The Mapping Science Group. (2000). *Regional Transportation Master Planning Project for the Lower Eastern Shore*. Salisbury, Maryland: Salisbury State University.

Cutter, S. L., Thomas, D. S. K., Cutler, M. E., Mitchell, J. T., & **Scott, M. S.** (1998). *South Carolina Atlas of Environmental Risks and Hazards* [CD-ROM]. Columbia, South Carolina: University of South Carolina Press.

Cutter, S. L., Mitchell, J. T., & **Scott, M. S.** (1997). *Handbook for Conducting a GIS-Based Hazards Assessment at the County Level*. Columbia, South Carolina: South Carolina Emergency Preparedness Division.

Cutter, S. L., Mitchell, J. T., **Scott, M. S.**, & Thomas, D. S. K. (1997). *A GIS-Based Hazards Assessment for Georgetown County, South Carolina*. Unpublished Final Report. Columbia, SC: South Carolina Emergency Preparedness Division.

Collins, R. F., **Scott, M. S.**, Thomas, D. S. K., & Hodgson, M. E.. (1997). *Working Bibliography on Hazards and Geographic Information Processing Techniques*. Hazards Research Lab Discussion Paper Series No. 10. Columbia, SC: HRL.

Scott, M. S., Menzel, C. & Cutter, S. (1997). *Relative Risk Profiles: A Methodology for Assessing Community Risk*. Hazards Research Lab Discussion Paper Series No. 9. Columbia, SC: HRL.

Cutter, S. L., Wagner, D. F., **Scott, M. S.**, Menzel, C. & Ji, M. (1996). *Spatial Accuracy in EPA's Environmental Hazards Databases: A Cautionary Tale*. Hazards Research Lab Discussion Paper Series #4. Columbia, SC: HRL.

Professional Presentations (140)

- Scott, M.S.** (2016, August 18). Mapping and tracking Zika with geographic information systems. Maryland Association of Counties Annual Meeting, Ocean City, Maryland
- Scott, M.S.** (2016, July 20). What's cooking at the ESRGC? Maryland State Geographic Information Committee Summer Quarterly Meeting, Salisbury, Maryland
- Scott, M.S.** (2016, June 17). Exploration of Available Data for Targeting Political Engagement Opportunities. Invited speaker at the Wicomico County Council of Leaders, Salisbury, Maryland
- Scott, M.S.** (2016, May 5). A Portrait of DelMarVa: Working in Data. Invited speaker at Delmarva: A Region of Possibilities (USDA economic development workshop), Salisbury, Maryland
- Scott, M.S.** (2016, April 14). What's it going to take to get "GIS going viral?". Invited keynote speaker at Delmarva GIS Conference 2016, Dover, Delaware
- Scott, M.S.** (2015, October 9). Introduction to Topographic LiDAR. Maryland Society of Surveyors Annual Conference, Baltimore, Maryland
- Scott, M.S.,** Lembo, A, Dobelstein, B., & Sheffer, M. (2015, April 1). Development of a Hazard Vulnerability Indicator to Prioritize Areas Subject to Sea-Level Change and Coastal Flooding in the Chesapeake Bay. Coastal GeoTools Annual Conference. Charleston, South Carolina.
- Scott, M.S.,** Lembo, A, Dobelstein, B., & Sheffer, M. (2015, March 17). Development of a Hazard Vulnerability Indicator to Prioritize Areas Subject to Sea-Level Change and Coastal Flooding in the Chesapeake Bay. Towson University GIS Annual Conference. Towson, Maryland.
- Scott, M.S.** and Habic, E. (2015, January 11). Flood Risk Assessment in Maryland. Transportation Research Board Annual Meeting, Washington DC.
- Scott, M.S.** (2014, July 8). Development of CBCA Maps for Caroline County. Invited speaker at the Tidewater Farm Club, Cambridge, Maryland.
- Scott, M.S.** (2014, March 18). Focus of GISolutions, Not GISystems. TUGIS 2014 Conference, Towson, Maryland.
- Scott, M.S.** (2014, February 13). An Update on the Maryland Broadband Mapping Initiative. Invited speaker at the Cambridge Rotary Club, Cambridge, Maryland
- Miller, K & **Scott, M.S.** (2014, January 15). Existing Mapping Assets Useful for FirstNet Planning. Invited speaker at the MACINAC Public Safety Broadband Workshop, Rehoboth Beach, Delaware.
- Scott, M.S.** and Powell, M. (2013, November 1). Reinventing Government by Applying Geography. Invited speaker at the Applied Geography Conference, Annapolis, Maryland
- Scott, M.S.** (2013, October 17). Mapping High-Speed Internet: Implications for Economic Competitiveness on Maryland's Eastern Shore. Invited speaker at the Salisbury Rotary Club, Salisbury, Maryland
- Scott, M.S.** and McLoughlin, P. (2013, July 9). Using GIS to Monitor Building Performance at Salisbury University. ESRI International User Conference, San Deigo, California
- Scott, M.** (2012, November 14). "GeoDash: Unlocking GeoData with Clarity and Purpose". State Government Researchers Roundtable, Baltimore, Maryland

- Scott, M.** (2012, October 25). "How Can We Best Communicate Flood Risk?". Keynote Speech at the 2012 Maryland Association of Floodplain and Stormwater Managers, Linthicum, Maryland.
- Scott, M.** (2012, March 19). Participant in a GeoSpatial Education Roundtable. TUGIS 2012, Towson, Maryland
- Scott, M.** (2012, March 20). "Trends in GIS in Higher Education". TUGIS 2012, Towson, Maryland
- Folkoff, M.E. & **Scott, M.** (2012, February 25). "Patterns of Landscape Transformation from Industrial Activity during Post-European Settlement in Wicomico County, Maryland". Annual Meeting of the Association of American Geographers, New York, New York.
- Scott, M.** (2012, February 15). "The Potential for GIS in Business". Invited Speaker, City of Fruitland Chamber of Commerce, Fruitland, Maryland.
- Scott, M.** (2011, November 15). "How Can We Best Communicate Flood Risk?". Keynote Speech at the 2011 Water Resources Symposium, College Park, Maryland.
- Scott, M.** (2011, November 8). "The Potential for GIS in Business". Invited Speaker, Salisbury Rotary Club, Salisbury, Maryland.
- Scott, M.** (2011, May 25). "The Use of GIS at All Stages of the Emergency Management Cycle". Invited Speaker, Delmarva Emergency Task Force Meeting, Georgetown, Delaware.
- Scott, M.** (2011, April 21). "The Eastern Shore Regional GIS Cooperative". Maryland State Geographic Information Committee Spring Quarterly Meeting, Cambridge, Maryland.
- Scott, M.** (2010, November 22). "The Devil Is In the Details: Politics, Mapping of Delmarva & the John Smith Chesapeake Trail". Lecture to the Gull Creek Retirement Community. Berlin, Maryland.
- Scott, M.** (2010, November 11). "The Devil Is In the Details: Politics, Mapping of Delmarva & the John Smith Chesapeake Trail". Lecture to the Cambridge Power Squadron. Secretary, Maryland.
- Scott, M.** (2010, October 14). "The Devil Is In the Details: Politics, Mapping of Delmarva & the John Smith Chesapeake Trail". Nabb Center Lecture Series. Salisbury, Maryland.
- Van Dopp, D., **Scott, M.**, Miller, K., Sides, D.A., & Luken, J.M. (2010, May 17). "Mapping Maryland's Broadband Inventory – The Maryland Broadband Mapping Initiative". Towson University GIS Conference, Towson, Maryland.
- Silva, E., McDermott, L., Wheatley, J.M., & **Scott, M.** (2010, May 17). "A Reinvention of the National Wetlands Inventory Mapping Process for Coastal Georgia". Towson University GIS Conference, Towson, Maryland.
- Scott, M.S. (2010, April 21). ESRGC Update. Maryland State Geographic Information Committee Quarterly Meeting, Cambridge, Maryland.
- Flatley, R. L., Bauer, F. D., **Scott, M.S.**, & Chen, X. M. (2010, April 15). A Risk and Vulnerability Impact Assessment of Sea Level Rise for Wicomico County, Maryland. Annual Meeting of the Association of American Geographers, Washington, DC.
- Garrity, J, Bunch, S., Diriker, M. & **Scott, M.** (2010, March 24). GeoDash. Testimony for the Maryland House of Delegates, Annapolis, MD

- Garrity, J, Bunch, S., Diriker, M. & **Scott, M.** (2010, January 27). The GeoDash Initiative. Presentation to the Maryland Senate Finance Committee, Annapolis, MD
- Warner, S., Pennington, M., Bethke, P., Haythe, K., Walsh, J. & **Scott, M.** (2010, January 7). Senator Mikulski Briefing on Economic Development Activities in the MidShore Region. MaCO Winter Conference, Cambridge, Maryland.
- Garrity, J, Bunch, S., Diriker, M. & **Scott, M.** (2009, December 10). GeoDash. the Joint Meeting of the Tri-County Council of the Lower Eastern Shore of Maryland and the Mid-Shore Regional Council, Cambridge, MD
- Glynn-Linaris, V., **Scott, M.**, & Mueller, T. (2009, March 16). "Building a HAZUS Community in Maryland." Towson University GIS Conference, Towson, Maryland.
- Scott, M.**, Owens, M., & Cicconetti, B. (2009, March 16). "Moving the Line – Critical Area Boundary Mapping." Towson University GIS Conference, Towson, Maryland.
- Scott, M.** (2008, July 22). "GIS and Floodplain Management/Issues in Maryland." FEMA Flood Mapping Training Seminar, Salisbury, Maryland. (Invited Speaker)
- Hogue, A., Hanley, Z. and **Scott, M.** (2008, July 14). "Aerial LiDAR as a tool for locating potential Delmarva fox squirrel habitat." Society for Conservation Biology Annual Meeting, Chattanooga, Tennessee
- Scott, M.** (2008, July 9). "John Smith on the Nanticoke River: Old Maps, New Science, and a Historical Controversy." Pocomoke River Discovery Center Lecture Series, Pocomoke, Maryland. (Invited Speaker)
- Scott, M.** (2008, April 17). "Analysis of Flood Vulnerability in Salisbury, Maryland using HAZUS-MH." Annual Association of American Geographers Meeting, Boston, Massachusetts.
- Scott, M.** (2008, April 8). "Development in Caroline County: 1739 – 2006." Caroline County Council, Denton, Maryland. (Invited Speaker)
- Scott, M.** (2008, March 17). "Development Capacity Analysis for the Town of Greensboro Caroline County, Maryland." Towson University GIS Conference, Towson, MD.
- Scott, M. S.** (2007, November 14). "John Smith on the Nanticoke River: Old Maps, New Science, and a Historical Controversy." Learn with SU Lecture Series, Salisbury, Maryland
- Scott, M. S.** (2007, November 14). "The Use of GIS for Growth Management." Worcester County GIS Day Exhibition, Snow Hill, Maryland
- Scott, M. S.** (2007, November 7). "John Smith on the Nanticoke River: Old Maps, New Science, and a Historical Controversy." Learn with SU Lecture Series, Ocean View, Delaware
- Scott, M. S.** (2007, November 6). "A Microsimulation Traffic Visualization of the Kent Island Corridor, 2004." Queen Anne's County Commissioners Working Session, Centreville, Maryland
- Scott, M. S.** (2007, October 10). "How GIS Can Help Manage Growth." Meeting of the MidShore Community Transportation Advisory Committee, Easton, Maryland
- Scott, M. S.** (2007, October 9). "How GIS Can Help Manage Growth." Meeting of the Caroline County Council of Governments, Denton, Maryland

- Beise, C. M., **Scott, M. S.**, & Thomas, M. D. (2007, October 3). "Delivering Database Instruction On-Line in a Cross-Disciplinary Masters Program in GIS and Public Administration." Maryland Blackboard Users Group Annual Meeting , Adelphi, Maryland
- Scott, M. S.** (2007, June 13). "Riparian Forest Buffer Classification in Maryland's Coastal Bays." Meeting of the Scientific/Technical Advisory Committee of the Maryland Coastal Bays Program, Cambridge, Maryland
- Scott, M. S.** (2007, June 2). "John Smith on the Nanticoke River: Old Maps, New Science, and a Historical Controversy." John Smith Day Commemoration, Vienna, Maryland
- Scott, M. S.** (2007, May 18). "What is Geography?" Westside Intermediate School's Career Day, Hebron, Maryland
- Scott, M. S.** (2007, May 16). "John Smith on the Nanticoke River: Old Maps, New Science, and a Historical Controversy." Annual Meeting of the Wicomico Historical Society, Salisbury, Maryland
- Scott, M. S.** (2007, April 20). "Where Yesterday is Today: The Rectification of John Smith's 1624 Map of the Chesapeake Bay and the Nanticoke River." Quarterly Meeting of the Maryland State Geographic Information Coordination Committee, Wye Mills, Maryland
- Scott, M. S.** (2007, April 4). "Powerful Tools, Informed Decisions, and Positive Partnerships: Cooperative GIS on Maryland's Eastern Shore." Lower Shore Chapter of the Maryland Society of Surveyors, Salisbury, Maryland
- Scott, M. S.** (2007, March 15). "Powerful Tools, Informed Decisions, and Positive Partnerships: Cooperative GIS on Maryland's Eastern Shore." Lower Eastern Shore Mayor's Association, Salisbury, Maryland
- Scott, M. S.** (2007, February 8). "Where Yesterday is Today: The Rectification of John Smith's 1624 Map of the Chesapeake Bay and the Nanticoke River." Henson Seminar Series, Salisbury, Maryland
- Scott, M. S.** (2006, June 26). "Where Yesterday is Today: John Smith's 1624 Map of the Chesapeake Bay and the Nanticoke River." Teaching American History Workshop, Salisbury, Maryland
- Scott, M. S.** (2006, June 7). "The Power of Cooperative GIS on Maryland's Eastern Shore" Trappe Town Council, Trappe, Maryland
- Scott, M. S.** (2006, May 12). "Where Yesterday is Today: John Smith's 1624 Map of the Chesapeake Bay and the Nanticoke River." Eastern Shore Heritage Day, Parkside High School, Salisbury, Maryland
- Scott, M. S.** (2006, April 26). "Where Yesterday is Today: The Rectification of John Smith's 1624 Map of the Chesapeake Bay and the Nanticoke River." Lower Eastern Shore Genealogical Society, Salisbury, Maryland
- Scott, M. S.** (2006, April 18). "What Does Your Community Look Like" Civic and Government Leadership Academy, Salisbury, Maryland
- Scott, M. S.** (2006, March 30). "The Power of Cooperative GIS on Maryland's Eastern Shore" Dorchester County Council, Cambridge, Maryland
- Scott, M. S.** (2006, March 20). "LiDAR Application for the Maryland Coastal Bays Program." TUGIS 2006, Towson, Maryland

- Scott, M. S.** (2006, March 20). "The HAZUS Extension for ArcGIS." TUGIS 2006, Towson, Maryland
- Folkoff, M. E. & **Scott, M. S.** (2005, October 29). "Pedogenic Controls on the Historic Built Environment in Worcester County, Maryland." Pennsylvania Geographical Society: Greensburg, Pennsylvania
- Scott, M. S.** (2005, February 26). "Reconstructing Past Geographies: Reexamining John Smith's 1612 Map of the Chesapeake Bay and the Nanticoke River." GEOFest XXIX: Columbia, South Carolina
- Scott, M. S.** (2005, January 7). "Where Yesterday is Today: The Rectification of John Smith's 1612 Map of the Chesapeake Bay and the Nanticoke River." Havre de Grace Maritime Museum, Havre de Grace, Maryland
- Scott, M. S.** (2004, June 17). "The Study of Delmarva History using State-of-the-Art Technology" Annual Meeting of the Wicomico Historical Society, Salisbury, Maryland
- Scott, M. S.** (2004, May 12). "Use of GIS/GPS Technology to Locate On-Site Septic Systems and Other Important Features in the Mid-Shore Region, Summer 2003." NOAA Progress Meeting, Horn Point Laboratory: Cambridge, Maryland
- Scott, M.S.** (2003, October 24). "The Role of MSGIC in MEMA's GIS Strategic Plan". 6th Annual 2003 Maryland Rural Summit. Ocean City, Maryland
- Scott, M. S.** (2003, June 5). "Cartography and GIS." Towson University Geographic Information Science Conference 2003. Towson, Maryland. [6-hour workshop]
- Scott, M. S.** (2002, November). "What is Geography?" Geography Awareness Week 2002. Salisbury, Maryland.
- Scott, M. S.** (2002, August 27). "WebCT Panel Discussion." Teaching-Learning Network Faculty Development Workshop. Salisbury, Maryland.
- Scott, M. S.** (2002, May 29). "What is GIS?" Half-day seminar sponsored by Lower Eastern Shore Tri-County Council. Salisbury, Maryland.
- Scott, M. S.** (2002, March 27). "Cartography and GIS." Towson University Geographic Information Science Conference 2002. Towson, Maryland. [6-hour workshop]
- Scott, M. S.** (2002, March 26). "Using Adobe Illustrator 8 to print maps." Towson University Geographic Information Science Conference 2002. Towson, Maryland.
- Folkoff, M. E., **Scott, M. S.**, Venso, E. A., Frana, M. F. & Harris, D. W. (2002, March 21). "Tracking Bacterial Nonpoint Source Pollution Using GIS and DNA Fingerprinting." Annual Meeting of the Association of American Geographers. Los Angeles, California.
- Scott, M. S.** (2002, January 25). "Maryland's Geographic Information Systems: Powerful Tools, Informed Decisions, Positive Partnerships." Meeting of the Local Government Managers on the Eastern Shore. Fruitland, Maryland.
- Folkoff, M. E., **Scott, M. S.**, Venso, E. A., Frana, M. F. & Harris, D. W. (2002, March 21). "Tracking Bacterial Nonpoint Source Pollution Using GIS and DNA Fingerprinting." Annual Meeting of the Association of American Geographers. Los Angeles, California.

- Scott, M. S.** (2001, December 5). "The Student Internship as an Integral Part of a Mapping Science Program." Maryland Technology Showcase. Baltimore, Maryland
- Folkoff, M. E., **Scott, M. S.**, Venso, E. A., Frana, M. F. & Harris, D. W. (2001, November 9). "Determining Nonpoint sources of Escherichia coli (E. coli) in the Chesapeake Bay Watershed." Annual Meeting of the Pennsylvania Geographic Society. Johnstown, Pennsylvania.
- Harris, D. W., Folkoff, M. E., & **Scott, M. S.** (2001, August 2). "Field Methods in Undergraduate Research: Determining E. coli Concentrations in the Chesapeake Bay." 86th Annual Meeting of the National Council on Geographic Education. Vancouver, British Columbia.
- Scott, M. S.**, Harris, D. W., Folkoff, M. E., & Chen, X. M. (2001, April 20). "Planning a Regional Public Transportation System in a Three-County Rural Area: GIS as an Enabling Technology." Spring Meeting of the Maryland State Geographic Information Coordinating Committee. Salisbury, Maryland.
- Folkoff, M. E., **Scott, M. S.**, Chen, X. M., & Harris, D. W. (2001, March 3). "Planning a Regional Public Transportation System in a Three-County Rural Area: Expectations, Politics, and Academics Coalesce." Annual Meeting of the Association of American Geographers. New York, New York.
- Scott, M. S.** & Rosing, R. A. (2001, February 28). "A Survey of Access and Use of Public Water-based Public Recreation Facilities in the Chesapeake Bay Region." Annual Meeting of the Association of American Geographers. New York, New York.
- Baker, R. E. & **Scott, M. S.** (2000, December 21). "Results of the Regional Transportation Initiative. Salisbury/Wicomico Planning and Zoning Commission". Salisbury, Maryland.
- Baker, R. E. & **Scott, M. S.** (2000, December 13). "Results of the Regional Transportation Initiative. Maryland Transit Authority Information Meeting for 5310 Applicants". Salisbury, Maryland.
- Harris, D. W. & **Scott, M. S.** (2000, December 6). Members of MSGIC Group Presentation about GIS Applications in Maryland. Maryland Technology Showcase. Baltimore, Maryland.
- Scott, M. S.** (2000, November 15). Panel Presentation on Regional Transportation Initiative. Regional Work Force Initiative Conference. Ocean City, Maryland
- Diriker, M. F. & **Scott, M. S.** (2000, October 31). "Results of the Regional Transportation Initiative". Wicomico Transit Advisory Committee Retreat. Salisbury, Maryland.
- Scott, M. S.**, Folkoff, M. E., Harris, D. W., & Chen, X. M. (2000, October 20). "Planning, Politics, Possibilities, and Potential Pitfalls: The Intersection of Academic Geography and the Real World of Regional Public Transportation". Annual Meetings of the Pennsylvania Geographical Society and the Middle States Division of the Association of American Geographers. Wilkes-Barre, Pennsylvania.
- Diriker, M. F. & **Scott, M. S.** (2000, October 4). "Regional Transportation on Maryland's Eastern Shore". Human Services Transportation Coordination Meeting of the Federal Transit Administration Region III. Philadelphia, Pennsylvania.
- Scott, M. S.** (2000, April 6). "Modeling Community Vulnerability using Parcel-Level Geographic Information". Annual Meeting of the Association of American Geographers. Pittsburgh, Pennsylvania.
- Folkoff, M. E., **Scott, M. S.**, Chen, X. M., & Harris, D. W. (2000, April 5). "Developing a GIS to Facilitate Social Service Delivery". Annual Meeting of the Association of American Geographers. Pittsburgh, Pennsylvania.

- Scott, M. S.**, Tardiff, R., & Folkoff, M. E. (2000, March 13). "Stella: Modeling effects of wind variability on air pollution levels". Microcomputers in Education Conference. Phoenix, Arizona.
- Scott, M. S.** (2000, February 17). "The Development of a Volumetric GIS and its Application to Environmental Modeling". Invited speaker, Bloomsburg University Colloquia Series
- Scott, M. S.** (1999, December 7). "Presenting with a SmartBoard". Faculty Week at the Bell Atlantic Studio. Salisbury, Maryland.
- Chen X. M., Harris D., Folkoff M., **Scott, M.**, Thomas, C., & Drudge, R. (1999, July 26). "GIS Technology in Social Service" [Panel Discussion]. The 24th Annual National Institute on Social Work and Human Services in Rural Areas. Princess Anne, Maryland.
- Harris, D. W., Chen, M. X., Folkoff, M. E., & **Scott, M. S.** (1999, June 2). "An Approach to GIS in Social Services and an Evaluation of the Wicomico County Experience". Towson University GIS Conference. Baltimore, Maryland.
- Scott, M. S.** (1999, March 24). "The Pfiesteria Hysteria: A Case Study of the Social Amplification of Risk". Annual Meeting of the Association of American Geographers. Honolulu, Hawaii.
- Scott, M. S.** (1999, May 5). "The Development of a Volumetric Geographic Information System and its Application to Air Pollutant Dispersion Modeling". Faculty Seminar Series, Henson School of Science and Technology, Salisbury, Maryland.
- Scott, M. S.** (1998, December 18). "The exploration of an air pollution hazard scenario using dispersion modeling and a volumetric GIS". Meeting of the Air Quality Group at Salisbury State University. Salisbury, Maryland.
- Mapping Science Group. (1998, December 9-10). "Developing a GIS for social services at the county level: the Wicomico County example". Maryland Technology Showcase. Baltimore, Maryland.
- Scott, M. S.** (1998, October 14). "A GIS-based vulnerability assessment model for emergency response planning". Maryland State Government Geographic Information Coordinating Committee (MSGIC) Quarterly Meeting. Columbia, Maryland.
- Scott, M. S.** (1998, September 16). "Revealing the vulnerability of people and places: a GIS-based, multi-hazard approach". Annual Meeting of the National States Geographic Information Council (NSGIC). Annapolis, Maryland.
- Scott, M. S.** & Cutter, S. L. (1997, December 3). "A statistical and spatial comparison of relative toxicity indicators in South Carolina." Society for Risk Analysis Annual Meeting. Washington, District of Columbia.
- Scott, M. S.** (1997, October 29). "Extending map algebra concepts for volumetric geographic analysis." GIS/LIS '97. Cincinnati, Ohio.
- Scott, M. S.**, Thomas, D. S. K., Mitchell, J. T., Cutler, M., Putnam, P., Collins, R. F., & Cutter, S. L. (1997, October 29). "Mitigating against disaster: assessing hazard vulnerability at the local level." GIS/LIS '97. Cincinnati, Ohio.
- Cutter, S. L, Thomas, D. S. K., Mitchell, J. T., **Scott, M. S.**, Cutler, M., & Putnam, P. (1997, September 23). "Assessing hazard vulnerability at the local level." South Carolina Emergency Management Conference. Greenville, South Carolina

- Scott, M. S.** & Cutter, S. L. (1997, July 24). "Assessing the social vulnerability of coastal areas." Coastal Zone '97. Boston, Massachusetts.
- Scott, M. S.** (1997, June 19). "The extension of cartographic modeling for three-dimensional geographic analysis." University Consortium for Geographic Information Science Annual Assembly and Retreat. Bar Harbor, Maine.
- Scott, M. S.** (1997, April 11). "A three-dimensional geographic information systems as a tool for environmental modeling." South Carolina Academy of Science Annual Meeting, Columbia, South Carolina, April 11, 1997.
- Scott, M. S.** (1997, April 2). "An examination of caprolactam diffusion from an industrial source complex using a three-dimensional geographic information system." Association of American Geographers Annual Meeting. Fort Worth, Texas.
- Scott, M. S.,** Cresci, D., Kelley, R., & Killian, T. (1996, November 25). "The use of a GIS for a potential exposure assessment of caprolactam emissions from the AlliedSignal facility in Irmo, South Carolina." Annual Meeting of the Association of American Geographers, Southeastern Division. Athens, Georgia.
- Scott, M. S.** (1996, July 10). "Questioning the effect of spatial scale on a neural network analysis of environmental equity in South Carolina." Annual Hazards Research and Applications Workshop. Denver, Colorado.
- Cutter, S. L. & **Scott, M. S.** (1996, July 7). "The spatial and temporal distribution of hazards events and losses: A second assessment." Annual Hazards Research and Applications Workshop. Denver, Colorado.
- Scott, M. S.,** Cutter, S. L., Collins, R. F., & Menzel, C. A. (1996, May 30). "The role of geographic information technologies in emergency preparedness." 1996 South Carolina Hurricane Conference. Charleston, South Carolina.
- Scott, M. S.** (1996, April 13). "The potential of three-dimensional GIS for hazards research." Association of American Geographers Annual Meeting. Charlotte, North Carolina.
- Scott, M. S.** (1996, April 12). "Spatial distribution of WWW-based geography departments and a survey on-line course materials." Association of American Geographers Annual Meeting. Charlotte, North Carolina.
- Scott, M. S.,** Foote, K. & Crampton, J. (1996, April 9). "A hands-on overview of the World Wide Web." Association of American Geographers Annual Meeting. Columbia, South Carolina.
- Scott, M. S.** (1996, March 29). "An investigation of environmental equity in South Carolina at different spatial scales using a neural network." South Carolina Academy of Science Annual Meeting. Charleston, South Carolina.
- Thomas, D. S. K. & **Scott, M. S.** (1996, March 28). "A hands-on introduction to geographic information systems." Information Access Conference. Columbia, South Carolina.
- Scott, M. S.** (1995, November 21). "Environmental equity reexamined: use of a back-propagation neural network for examining environmental equity." Annual Meeting of the Association of American Geographers, Southeastern Division. Knoxville, Tennessee.

- Scott, M. S.**, Wagner, D. F., Cutter, S. L., Menzel, C. A., Ji, M., & Clark, L. (1995, November 14). "Design of a spatial database for assessment of technological hazards." GIS/LIS '95. Nashville, Tennessee.
- Scott, M. S.** (1995, July 19). "Examining environmental equity in South Carolina using a back-propagation neural network." Annual Hazard Research and Applications Workshop. Boulder, Colorado.
- Cutter, S. L., Wagner, D. F., **Scott, M. S.**, Clark, L., Ji, M., & Menzel, C. A. (1995, July 16). "Relative risk profiles: a methodology for assessing community risk." Annual Hazard Research and Applications Workshop. Boulder, Colorado.
- Scott, M. S.** (1995, April 7). "Optimal paths in three-dimensional GIS." South Carolina Academy of Science Annual Meeting. Greenville, South Carolina.
- Wagner, D. F. & **Scott, M. S.** (1995, March 30). "Improving the performance of raster GIS: a comparison of approaches to parallelization of cost volume algorithms." Auto-Carto 12. Charlotte, North Carolina.
- Scott, M. S.** (1995, March 18). "Optimal path algorithms in three-dimensional raster space." Association of American Geographers Annual Meeting. Chicago, Illinois.
- Scott, M. S.** (1995, February 4). "Optimal path algorithms in 3-D raster space." 10th Annual Georgia - Florida Conference. Athens, Georgia.
- Scott, M. S.** (1994, April 15). "Raster volume visualization methods for three-dimensional geographical information systems." South Carolina Academy of Sciences Annual Meeting. Aiken, South Carolina.
- Scott, M. S.** (1994, April). "Better 'best paths' in raster GIS." Association of American Geographers Annual Meeting. San Francisco, California.
- Scott, M. S.** (1993, November 22). "Metropolitan social well-being: 1969-1986." Southeastern Division of the Association of American Geographers Annual Meeting. Greensboro, North Carolina.
- Scott, M. S.**, Posey, A. S. & Wagner, D. F. (1993, November 22). "Shortest paths, best paths, and paths in cellular space." Southeastern Division of the Association of American Geographers Annual Meeting. Greensboro, North Carolina.
- Scott, M. S.** (1992, May 12). "A technical note: improved techniques and design for computer-aided graduated circle map construction." Henson School of Science and Technology Undergraduate Research Symposium. Salisbury, Maryland.
- Scott, M. S.** (1991, April). "A historical economic evaluation of two prominent Maryland families: 1680-1770." Phi Alpha Theta Regional Conference. Shepherdstown, West Virginia.

Internet Publications (6)

- Scott, M. S.** (1997). *Association of American Geographers' Hazards Specialty Group Homepage* [On-line]. Available: www.cla.sc.edu/geog/hrl/hsg.html
- Scott, M. S.**, Menzel, C. A., Cutter, S. L., & Wagner, D. F. (1996). *South Carolina Toxic Risk Atlas Prototype* [On-line]. Available: www.cla.sc.edu/geog/hrl/sctrp/index.html
- Scott, M. S.** (1995). *Hazards Research Lab Home Page* [On-line]. Available: www.cla.sc.edu/geog/hrl/home.html.

Scott, M. S. (1995). *Geography Departments World-Wide Interactive Map* [On-line]. Available: lorax.geog.sc.edu/geogdocs/otherdocs/academic.html.

Sposato, M, Carbone, G. & **Scott, M. S.** (1995). *World Climate Regions Web Resource* [On-line]. Available: www.cla.sc.edu/geog/geogdocs/climdocs/climate.html.

Scott, M. S. (1994). *University of South Carolina - Department of Geography WWW Home Page* [On-line]. Available: www.cla.sc.edu/geog/index.html.

Grants & Contracts (214)

Total Funds Received as of Dec 2016: \$ 8,765,606

ESRGC, Critical Area Research Associate, October 2016 – April 2017, Funded by Maryland Department of Natural Resources, \$6,500

ESRGC, Critical Area GIS Analyst, October 2016 – December 2016, Funded by Maryland Department of Natural Resources, \$11,800

ESRGC, Provision of Student Intern to Wicomico County Planning and Community Development, October 2016 – October 2017, Funded by Wicomico County Department of Planning and Community Development, \$15,037

ESRGC, Mapping Support for Increasing Sal Marsh Acreage and Resiliency for Blackwater National Wildlife Refuge, October 2016 – December 2016, Funded by The Audubon Society, \$5,000

ESRGC, Wicomico County Pedestrian Infrastructure Inventory, September 2016 – June 2017, Funded by Wicomico County Health Department, \$9,000

ESRGC, Provision of Student Intern to Wicomico County Public Works, September 2016 – June 2017, Funded by Wicomico County Department of Public Works, \$7,480

ESRGC, DoIT Task Order #9: GIS/GeoDashboard Programming Support, September 2016 – June 2017, Funded by Maryland Department of Information Technology, \$55,000

ESRGC, Sussex County Delaware Sewer Database, September 2016 – December 2017, Funded by Sussex County Mapping and Addressing Department, \$65,220

ESRGC, City of Salisbury Student Intern, August 2016 – August 2017, Funded by City of Salisbury Public Works, \$16,262

ESRGC, Web Mapping Applications for the Greater Salisbury Committee, August 2016 – March 2017, Funded by Greater Salisbury Committee, \$15,656

ESRGC, GIS Analysis of Strategic Priority Areas, August 2016 – December 2016, Funded by Urban Ecosystem Restoration, Inc, \$1,500

ESRGC, Provision of GIS Updates in Denton, MD, July 2016 – June 2017, Funded by Denton Department of Public Works, \$5,000

ESRGC, MDA Task Order #3: Agricultural Irrigation GIS Data Development, July 2016 – June 2017, Funded by Maryland Department of Agriculture, \$40,000

ESRGC, MDA Task Order #2: Poultry Operation GIS Data Update, July 2016 – June 2017, Funded by Maryland Department of Agriculture, \$40,000

ESRGC, MDA Task Order #1: Dashboard Updates, July 2016 – June 2017, Funded by Maryland Department of Agriculture, \$20,000

ESRGC, DoIT Task Order #11: LiDAR Support for DoIT's Geographic Information Office, July 2016 – June 2017, Funded by Maryland Department of Information Technology, \$50,000

ESRGC, DoIT Task Order #10: Project Manager Support for DoIT's Geographic Information Office, July 2016 – June 2017, Funded by Maryland Department of Information Technology, \$77,000

ESRGC, DoIT Task Order #8: Critical Area Mapping Updates, July 2016 – June 2017, Funded by Maryland Department of Information Technology, \$75,000

ESRGC, Critical Area Mapping Manager Year 5, July 2016 – June 2017, Funded by Maryland Department of Natural Resources, \$60,000

ESRGC, Mapping Support for Increasing Salt Marsh Acreage and Resiliency for Blackwater National Wildlife Refuge, April 2016 – September 2016, Funded by The Audubon Society, \$5,000

ESRGC, City of Salisbury Database Phase III, April 2016 – August 2016, Funded by City of Salisbury Public Works, \$6,218

ESRGC, City of Salisbury Student Intern, April 2016 – August 2016, Funded by City of Salisbury Public Works, \$5,703

ESRGC, Wicomico County Pedestrian Infrastructure Inventory, April 2016 – June 2016, Funded by Wicomico County Health Department, \$22,284

ESRGC, SHA Task Order #5 Modeling Sea-Level Change Impacts in Maryland Phase 3, November 2015 – October 2016, Funded by Maryland State Highway Administration, \$99,504

ESRGC, Wicomico County Document Scanning Project, January 2016 – December 2016, Funded by Wicomico County, Maryland, \$15,197

ESRGC, City of Salisbury Storm Water Utility Phase II, October 2015 – April 2016, Funded by City of Salisbury, Maryland, \$14,860

ESRGC, DoIT Task Order #7: GIS/GeoDashboard Programming, October 2015 – June 2016, Funded by Maryland Department of Information Technology, \$61,152

ESRGC, DoIT Task Order #6: Project Manager Support for DoIT's Geographic Information Office, August 2015 – July 2016, Funded by Maryland Department of Information Technology, \$75,000

ESRGC, City of Salisbury Public Works Storm Water Database, July 2015 – June 2016, Funded by City of Salisbury, Maryland, \$14,980

ESRGC, Critical Area Mapping Manager, July 2015 – June 2016, Funded by Maryland Department of Natural Resources, \$60,000

ESRGC, DoIT Task Order #5: Critical Area Mapping, July 2015 – June 2016, Funded by Maryland Department of Information Technology, \$75,000

- ESRGC**, Integrating Climate Adaptation Strategies within Local Critical Area Regulations, July 2015 – March 2016, Funded by Maryland Department of Natural Resources, \$44,000
- ESRGC**, Prioritization of Tidal Wetland Restoration Opportunities in the Choptank River, July 2015 – September 2015, Funded by The Nature Conservancy, \$7,000
- ESRGC**, DoIT Task Order #2: GIS/GeoDashboard Programming (EXTENSION), June 2015 – September 2015, Funded by Maryland Department of Information Technology, \$41,667
- ESRGC**, Cecil County Hazard Mitigation Plan Update: HIVA Update, January 2015 – July 2015, Funded by Cecil County Department of Emergency Services, Elkton, Maryland, \$7,500
- ESRGC**, Sidewalk Connectivity Study for Wicomico County MPO and Municipalities, January 2015 – May 2015, Funded by Wicomico County Government, \$27,093
- ESRGC**, SHA Task Order #4 Modeling Sea-Level Change Impacts in Maryland, November 2014 – October 2015, Funded by Maryland State Highway Administration, \$98,473
- ESRGC**, Annotation and Boundary Updates for Zoning Maps, November 2014 – April 2015, Funded by Sussex County Mapping and Addressing, \$18,665
- ESRGC**, SHA Task Order #3 – One Maryland, One Centerline Workshop, November 2014 – February 2015, Funded by Maryland State Highway Administration, \$10,932
- ESRGC**, New Castle County Hazard Mitigation Plan Update: HIVA Update, September 2014 – May 2015, Funded by New Castle County Department of Public Safety, New Castle, Delaware, \$10,000
- ESRGC**, Kent County Hazard Mitigation Plan Update: HIVA Update, September 2014 – March 2015, Funded by Kent County Department of Emergency Management, Dover, Delaware, \$8,500
- ESRGC**, Provision of GIS Updates in Denton, MD, July 2014 – June 2015, Funded by Department of Public Works, Denton, Maryland, \$5,000
- ESRGC**, Chesapeake Bay Critical Area Mapping Updated FY2015, July 2014 – June 2015, Funded by Maryland Department of Information Technology, \$150,000
- ESRGC**, GIS/GeoDashboard Programming Support for DoIT's GIO, June 2014 – May 2015, Funded by Maryland Department of Information Technology, \$125,000
- ESRGC**, City of Salisbury Stormwater Utility, May 2014 – September 2014, Funded by City of Salisbury Public Works Department, \$26,174
- ESRGC**, One Maryland One Centerline Initiative Support, May 2014 – June 2014, Funded by Maryland State Highway Administration, \$10,000
- ESRGC**, Website Programming and Mapping Support for FirstNet, April 2014 – July 2016, Funded by Maryland Department of Information Technology, \$330,000
- ESRGC & BEACON**, Workforce Development Dashboard, February 2014 – June 2014, Funded by Oklahoma Department Commerce, \$49,500
- ESRGC**, Utility Mapping in Altoona, Pennsylvania, March 2014 – October 2014, Funded by EA Engineering, LLC, \$17,217

- ESRGC**, GIS Data Products to Support Climate Change Adaptation, January 2014 – June 2014, Funded by Maryland State Highway Administration, \$182,000
- ESRGC**, Infrastructure database for the City of Salisbury, January 2014 – June 2014, Funded by City of Salisbury Public Works Department, \$91,718
- ESRGC**, ESRGC Year 11, January 2014 – December 2014, Funded by MidShore Regional Council and Tri-County Council of the Lower Eastern Shore of Maryland, \$33,000
- ESRGC**, Town of Centreville, Maryland Stormwater Utility, December 2013 – May 2014, Funded by Town of Centreville, Maryland, \$4,928
- ESRGC**, EARN MD Connect, December 2013 – June 2014, Funded by Maryland Department of Labor, Licensing, & Regulation, \$29,900
- ESRGC**, Provision of GIS Services to GMB, LLC, November 2013 – October 2014, Funded by GMB, LLC, \$5,000
- ESRGC & BEACON**, Eastern Shore Regional Planning Capacity Building, September 2013 – September 2014, Funded by Maryland Department of Business and Economic Development, \$72,962
- ESRGC**, Provision of Student Intern to Wicomico County Public Works, August 2013 – August 2014, Funded by Wicomico County Public Works Department, \$7,480
- ESRGC**, Provision of Student Intern to Wicomico County Planning, July 2013 – June 2014, Funded by Wicomico County Department of Planning and Community Development, \$10,032
- ESRGC**, Atlantic Flyway Project, July 2013 – October 2013, Funded by The Audubon Society, \$15,675
- ESRGC**, Topography Data Server, July 2013 – June 2014, Funded by Maryland Department of Information Technology, \$61,000
- ESRGC**, Provision of Chesapeake Bay Critical Area Mapping Manager, July 2013 – June 2014, Funded by Maryland Department of Natural Resources, \$50,000
- ESRGC**, Chesapeake Bay Critical Area Mapping Updated FY14, July 2013 – June 2014, Funded by Maryland Department of Information Technology, \$75,000
- ESRGC**, BayStat Website Project, June 2013 – October 2013, Funded by Maryland Department of Natural Resources, \$46,824
- ESRGC**, ShoreTransit Dashboard, April 2013 – May 2014, Funded by Tri-County Council of the Lower Eastern Shore of Maryland, \$6,000
- ESRGC**, Provision of a GIS/Data Analyst, April 2013 – May 2014, Funded by Maryland Department of Labor, Licensing, & Regulation, \$117,000
- ESRGC**, ESRGC Year 10, January 2013 – December 2013, Funded by MidShore Regional Council and Tri-County Council of the Lower Eastern Shore of Maryland, \$33,000
- ESRGC**, County Comparison Website and Dashboard, January 2013 – April 2013, Funded by Maryland Department of Business and Economic Development, \$15,000

- ESRGC**, Security GIS Development for Texas A&M University at Qatar, December 2012 – April 2013, Funded by Texas A&M University – Qatar, \$5,000
- ESRGC**, *Caroline County DES GIS Analysis and Dashboard*, Nov 2012 – Feb 2013, Funded by Caroline County Department of Emergency Services, \$2,000
- ESRGC**, *Hurricane Damage Assessment of Buildings*, Nov 2012 – Dec 2012, Funded by ImageCat, Inc., \$31,735
- ESRGC**, *Development of LiDAR Processing Tools in ArcGIS*, Oct 2012 – Sep 2013, Funded by US Department of Agriculture, \$15,000
- ESRGC**, *DLLR Dashboard IE8 Redesign*, Oct 2012 – Dec 2012, Funded by Maryland Department of Labor, Licensing, & Regulations, \$6,006
- ESRGC**, *Maryland Broadband Mapping initiative Extension*, Nov 2012 – Oct 2013, Funded by Maryland Broadband Cooperative, \$30,000
- ESRGC**, Digital Elevation Model Development for Howard and Calvert County, Sep 2012 – Aug 2013, Funded by Maryland Department of the Environment, \$20,000
- ESRGC**, *Chesapeake Bay Critical Area Mapping*, July 2012 – June 2013, Funded by Maryland Department of Natural Resources, \$61,650
- ESRGC**, *Provision of Municipal GIS Updates*, July 2012 – June 2013, Funded by Town of Denton, Maryland, \$5,000
- ESRGC**, *Provision of Student Intern to Wicomico County Planning & Zoning*, July 2012 – June 2013, Funded by Wicomico County Department Public Works, \$10,032
- ESRGC**, *Provision of Student Intern to Wicomico County Public Works*, July 2012 – June 2013, Funded by Wicomico County Department Public Works, \$7,480
- ESRGC**, *Engineering Drawing Viewer for Salisbury, Maryland*, April 2012 – September 2012, Funded by City of Salisbury Department Public Works, \$20,000
- ESRGC**, *Provision of Student Intern to Wicomico County Public Works*, January 2012 – May 2012, Funded by Wicomico County Department Public Works, \$2,000
- ESRGC**, *Eastern Shore Regional GIS Cooperative Year 9*, January 2012 – December 2012, Funded by Mid-Shore Regional Council, and Tri-County Council of the Lower Eastern Shore, \$30,000
- ESRGC**, *Chesapeake Bay Critical Area Mapping*, October 2011 – June 2012, Funded by Maryland Department of Natural Resources, \$61,650
- ESRGC & BEACON**, *GeoDash Initiative: Year 3*, Sep 2011 – Sep 2013, Funded by US Economic Development Agency, \$120,000
- ESRGC**, *Government and Non-Profit Application Workshop*, July 2011 – June 2014, Funded by Salisbury University's Henson School of Science and Technology (Internal grant), \$117,000
- ESRGC**, *Provision of Municipal GIS Updates*, July 2011 – June 2012, Funded by Town of Denton, Maryland, \$5,000

- ESRGC**, *GIS Data Layer Update for Fruitland, Maryland*, June 2011 – September 2011, Funded by City of Fruitland, Maryland, \$3,000
- ESRGC**, *Provision of GIS Intern to Oxford, Maryland*, June 2011 – August 2011, Funded by Town of Oxford, Maryland, \$2,852
- ESRGC**, *Chesapeake Bay Critical Area Mapping*, February 2011 – June 2011, Funded by Maryland Department of Natural Resources, \$88,419
- ESRGC**, *Maryland's RiskMap Demonstration Project*, January 2011 – December 2011, Funded by Maryland Department of the Environment, \$100,000
- ESRGC**, *Chesapeake Bay Critical Area Mapping*, October 2010 – September 2011, Funded by Maryland Department of Natural Resources, \$98,027
- ESRGC**, *Provision of Student Intern to Wicomico County Public Works*, September 2010 – August 2011, Funded by Wicomico County Department Public Works, \$6,380
- ESRGC**, *Provision of Student Intern to Wicomico Planning/ Zoning*, September 2010 – February 2012, Funded by Wicomico County Planning and Community Development, \$9,380
- ESRGC**, *IMS Website for the Pipeline Association for Public Awareness*, June 2010 – December 2010, Funded by Bridge Solutions, LLC, \$38,500
- ESRGC & Vision Planning and Consulting, LLC**, *Howard County Flood Mitigation Plan*, June 2010 – August 2010, Funded by Howard County Department of Planning, \$11,000 (ESRGC portion)
- ESRGC & Vision Planning and Consulting, LLC**, *Cecil County Flood Mitigation Plan*, April 2010 – November 2010, Funded by Cecil County Department of Emergency Management, \$10,500 (ESRGC portion)
- ESRGC**, *Quality Assurance Plan and QC of Aerial Imagery*, March 2010 – December 2010, Funded by AXIS Geo Spatial Companies, \$15,000
- ESRGC**, *Eastern Shore Regional GIS Cooperative Year 7*, January 2010 – December 2010, Funded by Mid-Shore Regional Council, and Tri-County Council of the Lower Eastern Shore, \$30,000
- ESRGC**, *Chesapeake Bay Critical Area Mapping*, January 2010 – June 2010, Funded by Maryland Department of Natural Resources, \$67,000
- Maryland Broadband Cooperative, Inc., **ESRGC**, Center for GIS, Business, Economic, and Community Outreach Network, Regional Economic Systems Institute, and Maryland Department of Information Technology, *Maryland Broadband Mapping Initiative*, November 2009 – October 2014, Funded by National Telecommunication and Information Administration via the Maryland Broadband Cooperative, \$2,210,327 (ESRGC portion only; total project: \$4.75 million)
- ESRGC**, *Maryland dFIRM Outreach Support*, October 2009 – September 2010, Funded by Maryland Environmental Service, \$9,500
- ESRGC**, *Provision of Student Intern to City of Salisbury*, October 2009 – August 2010, Funded by City of Salisbury Department of Public Works, \$13,160
- ESRGC**, *Chesapeake Bay Critical Area Orthophotography Procurement*, October 2009 – December 2009, Funded by Maryland Department of Natural Resources, \$40,000.

- ESRGC**, Provision of Student Intern to Wicomico County Public Works, September 2009 – August 2010, Funded by Wicomico County Department Public Works, \$9,380
- ESRGC**, Provision of Student Intern to Wicomico County Planning/Zoning, September 2009 – August 2010, Funded by Wicomico County Department of Planning and Community Development, \$9,380
- ESRGC**, Centerline Attribution within Metropolitan Planning Organization Boundary (Phase II), June 2009 – June 2010, Funded by Wicomico County Department of Planning and Community Development, \$6,300
- ESRGC & Vision Planning and Consulting, LLC**, *Delaware Hazard Mitigation Plan Updates*, June 2009 – May 2010, Funded by Delaware Emergency Management Agency, \$31,890 (ESRGC portion)
- George, Miles, & Buhr, LLC, Vision Planning and Consulting, LLC & **ESRGC**, A Hazard Mitigation Plan for the University of Maryland, Eastern Shore. January 2009 – September 2009, Funded by University of Maryland, Eastern Shore, Princess Anne, Maryland, \$20,000 (ESRGC portion)
- ESRGC**, *Eastern Shore Regional GIS Cooperative Year 6*, January 2009 – December 2009, Funded by Mid-Shore Regional Council, and Tri-County Council of the Lower Eastern Shore, \$36,000
- ESRGC & Vision Planning and Consulting, LLC**, *Hazard Planning for Flood Disasters in Calvert County*, July 2008 – March 2009, Funded by Calvert County, Maryland, \$23,750
- ESRGC & Vision Planning and Consulting, LLC**, *Flood Hazard Assessment and Mitigation Plan for Takoma Park, Maryland*, March 2008 – December 2008, Funded by City of Takoma Park, Maryland, \$25,000
- ESRGC & Vision Planning and Consulting, LLC**, *Flood Hazard Assessment and Mitigation Plan for Dorchester County, Maryland*, May 2008 – March 2009, Funded by Dorchester County (MD) Emergency Management, \$29,800
- ESRGC**, *Provision of Municipal GIS Layers*, April 2008 – June 2008, Funded by Town of Denton, Maryland, \$4,900
- ESRGC**, *Provision of Student Intern to Denton, Maryland*, June 2008 – August 2008, Funded by Town of Denton, Maryland, \$5,227
- ESRGC**, *GIS Updates to Denton, MD Municipal GIS*, July 2008 – June 2009, Funded by Town of Denton, Maryland, \$5,000
- ESRGC**, *Provision of Student Intern to Wicomico County Soil Conservation District*, September 2008 – May 2009, Funded by Wicomico County Soil Conservation District, \$3,960
- ESRGC**, *Provision of Student Intern to Wicomico Planning/ Zoning*, September 2008 – August 2009, Funded by Wicomico County Planning and Zoning, \$6,380
- ESRGC**, *Provision of Student Intern to Wicomico County Public Works*, September 2008 – August 2009, Funded by Wicomico County Department of Public Works, \$6,380
- ESRGC**, *Critical Area iMap Implementation*, October 2008 – December 2008, Funded by Maryland Department of Natural Resources, \$44,000
- ESRGC**, *1972 Wetlands Map Scanning*, August 2008 – September 2008, Funded by Maryland Department of Natural Resources, \$43,148

- ESRGC**, *Chesapeake Bay Critical Area Mapping Pilot*, July 2008 – June 2009, Funded by Maryland Department of Natural Resources, \$300,000
- ESRGC & PBS&J, Inc.**, *Update National Wetlands Inventory in Georgia*, July 2008 – June 2009, Funded by Georgia Department of Natural Resources, \$217,595
- ESRGC**, *Update Wicomico County Tax Parcels*, November 2008 – April 2009, Funded by Wicomico County Planning and Zoning, \$5,220
- ESRGC**, *Blackwater Wetland Fire Study*, July 2008 – December 2008, Funded by US Fish & Wildlife Service, \$6,000
- ESRGC**, *Digitization of Poultry Houses/BMPs in Talbot County*, July 2008 – September 2008, Funded by Maryland Department of Agriculture, \$1,840
- ESRGC**, *Provision of Student Intern to Blackwater National Wildlife Refuge*, June 2008 – December 2008, Funded by US Fish & Wildlife Service, \$5,600
- ESRGC**, *Provision of Student Intern to Vision Planning and Consultants*, January 2008 – May 2008, Funded by Vision Planning and Consulting, LLC, \$3,520
- ESRGC**, *Eastern Shore Regional GIS Cooperative Year 5*, January 2008 – December 2008, Funded by Mid-Shore Regional Council, and Tri-County Council of the Lower Eastern Shore, \$36,000
- ESRGC & Vision Planning and Consulting, LLC**, *Flood Hazard Assessment and Mitigation Plan for the City of Salisbury, Maryland*, May 2007 – June 2008, Funded by City of Salisbury, Maryland, \$23,750
- ESRGC**, *Digitization of Tax Parcels in Urban Areas in Wicomico County, MD*, July 2007 – December 2007, Funded by Wicomico County Department of Planning and Community Development, \$16,848
- ESRGC**, *Digitization of Tax Parcels in Rural Areas in Wicomico County, MD*, October 2007 – February 2008, Funded by Wicomico County Department of Planning and Community Development, \$3,997
- ESRGC**, *Digitization of Poultry Houses/BMPs in Dorchester, Wicomico, Worcester, and Somerset Counties*, December 2007 – April 2008, Funded by Maryland Department of Agriculture, \$8,640
- ESRGC**, *Support for Impervious Surface Tracking System Project*, December 2007 – October 2008, Funded by Talbot County Department of Public Works, \$20,000
- ESRGC**, *Flood Hazard Vulnerability Assessment*, October 2007 – March 2008, Funded by Maryland Department of Natural Resources, \$121,165
- ESRGC**, *Cambridge Comprehensive Plan Project*, September 2007 – September 2008, Funded by Jakubiak and Associates (for the City of Cambridge), \$5,000
- ESRGC**, *Centerline Attribution within Metropolitan Planning Organization Boundary*, September 2007 – December 2007, Funded by Wicomico County Department of Planning and Community Development, \$4,700
- ESRGC**, *Mapping of Maryland's On-Site Septic Disposal Systems*, January 2007 – June 2007, Funded by Maryland Department of the Environment, \$92,634
- Scott, M. S.**, *Eastern Shore Regional GIS Cooperative Year 4*, January 2007 – December 2007, Funded by Mid-Shore Regional Council, and Tri-County Council of the Lower Eastern Shore, \$51,000

- ESRGC**, *Digitization of Tax Parcels in Growth Areas in Salisbury, MD*, December 2006 – March 2007, Funded by Wicomico County Department of Planning and Community Development, \$4,888
- ESRGC**, *Developing Additional Coastal Bays Landscape Assessment Databases*, March 2006 – October 2006, Funded by the Maryland Coastal Bays Program, \$6,250
- ESRGC**, *Needs Assessment and Comprehensive Plan Mapping for Dorchester County*, May 2006 – December 2006, Funded by the Maryland Department of Natural Resources, \$21,000
- ESRGC**, *Municipal Layers and GIS Data for Snow Hill, Maryland*, August 2006 – November 2006, Funded by the Town of Snow Hill, \$6,866
- ESRGC**, *Provision of GIS Intern for Worcester County*, June 2006 – August 2006, Funded by the Worcester County Department of Comprehensive Planning, \$5,227
- ESRGC**, *Provision of GIS Intern for Denton, MD*, June 2006 – August 2006, Funded by the Town of Denton, \$5,227
- ESRGC**, *Municipal Layers and GIS Data for Oxford, Maryland*, June 2006 – February 2007, Funded by the Town of Oxford, \$14,075
- ESRGC**, *Salisbury Tax Parcel Layer*, June 2006 – October 2006, Funded by the City of Salisbury Department of Public Works, \$9,127
- ESRGC**, *Water and Sewer Mapping in Somerset County, Maryland*, May 2006 – October 2006, Funded by the Somerset County Department of Technical and Community Services, \$4,050
- ESRGC**, *Part 2: Digital Capture from Coastal Survey Charts: Accomack County, Virginia*, May 2006 – February 2007, Funded by the Fair Play Foundation, Wilmington, Delaware, \$10,000
- ESRGC**, *Municipal GIS Layer Development for Snow Hill, Maryland*, April 2006 – October 2006, Funded by the Town of Snow Hill, \$6,102
- ESRGC**, *Water and Sewer Mapping for Berlin, Maryland*, April 2006 – October 2006, Funded by the Town of Berlin, \$7,880
- ESRGC**, *Talbot County On-Site Disposal System Management Program*, May 2006 – April 2007, Funded by the Talbot County Department of Public Works, \$60,000
- ESRGC**, *Critical Area Remapping for Caroline County*, April 2006 – July 2006, Funded by the Caroline County Department of Planning and Codes, \$2,880
- ESRGC**, *Municipal Development Capacity Analysis for Caroline County*, January 2006 – December 2006, Funded by the Caroline County Department of Planning and Codes, \$75,000
- ESRGC**, *Provision of GIS Intern for Wicomico County*, January 2006 – May 2006, Funded by the Wicomico County Department of Planning, Zoning, and Community Development, \$3,960
- ESRGC**, *Provision of GIS Intern for Denton, MD*, January 2006 – May 2006, Funded by the Town of Denton, \$2,820

- ESRGC**, *Soils and Digital Capture from Coastal Survey Charts: Northampton and Accomack County, Virginia*, February 2006 – September 2006, Funded by the Virginia Center for Digital History, University of Virginia, \$7,776
- ESRGC**, *Historic Residential Growth Rate Mapping and Vacant Land Inventory in Queen Anne's County*, January 2006, Funded by the Queen Anne's Conservation Association, \$4,244
- ESRGC**, *Level 2 HAZUS-MH Analysis of Ocean City, Maryland*, January 2006 – August 2006, Funded by the Maryland Department of the Environment, \$8,000
- ESRGC**, *Mapping of Obstructions to Flow in the Floodplain*, January 2006 – August 2006, Funded by the Maryland Department of the Environment, \$15,000
- ESRGC**, *The NASA/SU GIS Apprenticeship Program at NASA Wallops Flight Facility*, January 2006 – July 2007, Funded by Mid-Shore Regional Council, and Tri-County Council of the Lower Eastern Shore, \$16,720
- ESRGC**, *Eastern Shore Regional GIS Cooperative Year 3*, January 2006 – December 2006, Funded by Mid-Shore Regional Council, and Tri-County Council of the Lower Eastern Shore, \$51,000
- ESRGC**, *Rectification of John Smith's 1612 Map of Virginia*, October 2005 – March 2006, Funded by the Virginia Center for Digital History, \$10,000
- ESRGC**, *Development of a Coastal Bays Landscape Assessment Database and Viewer*, July 2005 – September 2005, Funded by the Maryland Coastal Bays Program and Towson University, \$5,000
- ESRGC**, *Provision of GIS Intern for Caroline County, MD*, June 2005 – August 2005, Funded by the Caroline County Department of Emergency Management, \$914
- ESRGC**, *Provision of GIS Intern for Ocean City, MD*, June 2005 – December 2005, Funded by the Town of Ocean City, \$6,000
- ESRGC**, *Provision of GIS Intern for Denton, MD*, May 2005 – August 2005, Funded by the Town of Denton, \$5,869
- ESRGC**, *Tax Ditch Mapping IV (Wicomico & Worcester Counties)*, May 2005 – June 2005, Funded by Maryland Department of Agriculture, \$5,184
- ESRGC**, *Tax Ditch Mapping III (Caroline County)*, May 2005 – June 2005, Funded by Maryland Department of Agriculture, \$4,860
- ESRGC**, *Wicomico County Pilot Study: Digitization of Tax Parcels*, April 2005 – June 2005, Funded by the Wicomico County Department of Planning, Zoning, and Community Development, \$5,306
- ESRGC**, *Provision of GIS Intern for Wicomico County*, February 2005 – December 2005, Funded by the Wicomico County Department of Planning, Zoning, and Community Development, \$2,970
- ESRGC**, *Flood Vulnerability Report*, February 2005 – June 2005, Funded by the Maryland Department of the Environment, \$9,000
- ESRGC**, *Traffic Impact Visualization for Denton, MD*, March 2005 – July 2005, Funded by the Town of Denton, \$18,500

- ESRGC**, *Provision of GIS Intern for Caroline County*, January 2005, Funded by the Caroline County Department of Planning and Codes, \$913
- ESRGC**, *Development of a Municipal GIS for Denton, MD*, January 2005 – May 2005, Funded by the Town of Denton, \$7,288
- ESRGC**, *GIS Needs Assessment for Denton, MD*, January 2005 – May 2005, Funded by the Town of Denton, \$5,500
- ESRGC**, *Eastern Shore Regional GIS Cooperative Year 2*, January 2005 – December 2005, Funded by Mid-Shore Regional Council, and Tri-County Council of the Lower Eastern Shore, \$30,000
- ESRGC**, *Flood Vulnerability Analysis*, August 2004 – January 2005, Funded by the Maryland Department of the Environment, \$15,000
- ESRGC**, *MAERDAF Spatial Data Collection Project*, July 2004 – December 2004, Funded by the Mid-Shore Regional Council and Tri-County Council of the Lower Eastern Shore of Maryland, \$30,000
- ESRGC**, *Provision of GIS Intern for Ocean City*, June 2004 – May 2005, Funded by the Town of Ocean City, \$6,600
- ESRGC**, *Provision of GIS Intern for Wicomico County*, June 2004 – December 2004, Funded by the Wicomico County Department of Planning, Zoning, and Community Development, \$2,376
- ESRGC**, *Tax Ditch Mapping II*, August 2004 – November 2004, Funded by Maryland Department of Agriculture, \$8,586
- ESRGC**, *Provision of GIS Intern for Caroline County*, June 2004 – September 2004, Funded by Caroline County, \$3,600
- ESRGC**, *Legislative District Land Use Map Project*, June 2004 – January 2005, Funded by Salisbury University, \$940
- ESRGC**, *Fruitland Municipal GIS Development*, June 2004 – October 2004, Funded by the City of Fruitland, \$7,920
- ESRGC**, *Exploration of the History of Vienna, MD using GIS*, June 2004 – September 2004, Funded by the Town of Vienna, \$2,000
- ESRGC**, *Tax Ditch Mapping I*, June 2004 – September 2004, Funded by Maryland Department of Agriculture, \$3,888
- ESRGC**, *GIS Data Support and GPS Training for Johns Hopkins University*, June 2004, Funded by Johns Hopkins University, \$1,500
- ESRGC**, *Provision of GIS Consulting and Cartographic Services for Ellendale, Delaware*, May 2004 – October 2004, Funded by Nutter Associates, Inc, \$3,000
- Scott, M. S.**, *Creation of Maryland's Eastern Shore Regional GIS Cooperative*, January 2004 – December 2004, Funded by Mid-Shore Regional Council, Tri-County Council of the Lower Eastern Shore, and Salisbury University, \$43,540

In January 2004, we launched the Eastern Shore Regional GIS Cooperative, an outreach entity dedicated to providing GIS services to municipalities and counties of Maryland's Eastern Shore. This

organization currently employs several full-time employees and several students. All of the grants and contracts from this point forward were originated from the ESRGC with M. Scott as the Principal Investigator, unless otherwise noted.

- Scott, M. S.**, *Provision of GIS Consulting and Cartographic Services for Laurel, Delaware*, July 2003 – December 2003, Funded by Nutter Associates, Inc, \$4,000
- Scott, M. S.**, *Provision of GIS and Data Collection Services to Support the Development of the Blue Crab Scenic Byway*, July 2003 – January 2004, Funded by Lower Eastern Shore Heritage Committee, \$5,000
- Scott, M. S.**, *Four Seasons Traffic Impact Visualization Project*, June 2003 – January 2004, Funded by Kent Island Defense League, \$2,500
- Scott, M. S.**, *Development of an OSDS Inventory for Maryland's Mid-Shore Region*, April 2003 – March 2004, Funded by Mid-Shore Regional Council, \$28,300
- Scott, M. S.**, *Linking STELLAR to ArcGIS 8*, March 2003, Funded by Wicomico County Health Department, \$500
- Scott, M. S.**, *ArcView GIS 3.3 Training*, January 2003, Funded by Montgomery County Health Department, \$2,475
- Scott, M. S.**, *Provision of GIS Consulting and Cartographic Services for Vienna, Maryland*, January 2003 – June 2003, Funded by Nutter Associates, Inc, \$4,000
- Scott, M. S.**, *American Origins Project*, July 2002 – June 2003, Funded by the Nabb Center for Delmarva History and Culture, \$19,900
- Scott, M. S.**, *Study of Traffic Congestion at MD 322 & MD 33 in Easton, Maryland*. July 2002 – November 2002, Funded by the Talbot Preservation Alliance, \$2,200
- Scott, M. S.**, *Phase II of the Creation of a GeoSpatial Database of Pemberton Historical Park*, September 2002 – December 2002, Funded by the Maryland Historical Trust, \$2,500
- Phipps-Dickerson, M. (WCHD), Folkoff, M. E., **Scott, M. S.**, & Zaprowski, B. J., *Development of an On-Site Sewage Systems Inventory in Wicomico County, Maryland*, January 2002 – December 2002, Funded by Maryland Department of Natural Resources, \$25,360
- Scott, M. S.** & McDermott, L. D., *Development of Map for Crisfield Heritage Trolley*, July 2002, Funded by the Crisfield Heritage Foundation, \$500
- Scott, M.S.**, Folkoff, M. E. & Harris, D. W., *Project Access: Eliminating Transportation Barriers on Maryland's Lower Eastern Shore (Phase III)*, July 2001 – June 2002, Funded by BEACON, \$68,000
- Scott, M. S.**, *Phase I of the Creation of a GeoSpatial Database of Pemberton Historical Park*, January 2002 – May 2002, Funded by the Maryland Historical Trust, \$2,500
- Venso, A. (ENVH), Frana, M. (BIOL), Phipps-Dickerson, M. (WCHD), Folkoff, M., **Scott, M.**, & Harris, D., *Concentrations, species, and potential sources of fecal coliform bacteria at swimming areas on the Wicomico River, Maryland*, June 2000 to December 2001, Funded by Maryland Department of Natural Resources, \$111,000

- Scott, M. S.**, Duffy, M. (Assateague Regional GIS Operation), & Case, C. (3Di, LLC), *Expansion of the Metadata Resources on Maryland's Eastern Shore*, September 2000 – September 2001, Funded by US Geological Survey, \$4,400
- Scott, M. S.**, *GIS Training for Prince George's County Health Department*, August 2001, Funded by Prince George's County (Maryland) Health Department, \$2,250
- Scott, M. S.**, *GIS Training for Wicomico County Health Department, Phase II*, June 2001, Funded by Wicomico County Health Department, \$2,500
- Scott, M. S.**, Folkoff, M. E. & Harris, D. W., *Project Access: Eliminating Transportation Barriers on Maryland's Lower Eastern Shore (Phase II)*, July 2000 – June 2001, Funded by BEACON, \$340,000
- Scott, M. S.**, *GIS Training for Wicomico County Health Department, Phase I*, March 2001, Funded by Wicomico County Health Department, \$1,500
- Scott, M. S.** & Rosing, R. A. *A Survey of Access and Use of Public Recreation Facilities in the Chesapeake Bay Region*, March 2000 to February 2001, Funded by US Environmental Protection Agency, Chesapeake Bay Program. \$32,860
- Scott, M. S.** & Folkoff, M. E., *Creation of an addressable road network for Cecil County, MD – Phase II.* August 2000 to January 2001, Funded by Cecil County Department of Social Services, \$12,000
- Scott, M. S.** & Duffy, M (Assateague Regional GIS Operation), *Establishment of a National Geospatial Data Clearinghouse Node for Maryland's Eastern Shore*, September 1999 – September 2000, Funded by the US Geological Survey, \$11,820
- Scott, M. S.** & Folkoff, M. E., *Creation of an addressable road network for Cecil County, MD – Phase I.* April 2000 to June 2000, Funded by Cecil County Department of Social Services, \$12,000
- Scott, M.S.**, Folkoff, M. E. & Harris, D. W., *Project Access: Eliminating Transportation Barriers on Maryland's Lower Eastern Shore (Phase I)*, July 1999 – June 2000, Funded by BEACON, \$50,000
- Folkoff, M. E. , Chen X. M., Harris, D. W., & **Scott, M. S.**, *Developing A GIS for Social Services at the County Level: The Wicomico County Example*, June 1998 – June 1999, Funded by Maryland Department of Human Resources and the Wicomico County Department of Social Services, \$40,000

Teaching

- | | |
|-------------|---|
| 2011, 2017 | Co-Instructor, The Geography of the Caribbean (GEOG 399). 10 students. Winter semester (field course). Department of Geography and Geosciences, Salisbury University |
| 2009, 2013 | Co-Instructor, The Geography of the Desert Southwest (GEOG 450). 10 students. Winter semester (field course). Department of Geography and Geosciences, Salisbury University |
| 2007 – 2017 | Instructor, GIS Co-op Experience (GEOG 640). 8 students per semester. Every Spring semester. Department of Geography and Geosciences, Salisbury University |
| 2007 – 2015 | Instructor, GIS and Public Administration (GEOG 630). 8 students per semester. Every Fall semester. Department of Geography and Geosciences, Salisbury University |
| 2007 – 2017 | Instructor, Advanced Geographic Information Science (GEOG 519). 10 students per semester. Every semester. Department of Geography and Geosciences, Salisbury University |

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| 2002 – 2007 2015 – Present | Instructor, World Regional Geography: Europe & Asia (GEOG 101). Ranges from 48 – 120 students per semester. Every semester. Department of Geography and Geosciences, Salisbury University |
| 2000 – 2015 | Instructor, Cartographic Visualization (GEOG 320). 24 students per semester. Either Spring or Fall semester. Department of Geography and Geosciences, Salisbury University |
| 1999 – Present | Instructor, Environmental Hazards (GEOG 450, 403). 24 students per semester. Either Spring or Fall semester. Department of Geography and Geosciences, Salisbury University |
| 1999 – 2007 | Instructor, Advanced Geographic Information Science (GEOG 419). 20 students per semester. Spring semester. Department of Geography and Geosciences, Salisbury University |
| 1998 – Present | Instructor, Geographic Information Science (GEOG 319). 24 - 48 students. Every Fall & Spring semester. Department of Geography and Geosciences, Salisbury University |
| 1998 - 2000 | Instructor, Introduction to Human Geography (GEOG 100). Ranges from 100 – 150 students per semester. Every semester. Department of Geography and Geosciences, Salisbury University |
| 1998 | Instructor, Cartography (GEOG 205). 15 students. Fall semester. Department of Geography and Geosciences, Salisbury University |
| 1995 | Instructor. <i>Introduction to Geographic Information Systems</i> (Geography 363). Spring semester. Department of Geography. University of South Carolina |
| 1994 | Instructor. <i>Introduction to Geographic Information Systems</i> (Geography 363). Fall semester. Department of Geography. University of South Carolina Teaching Assistant. <i>Advanced Geographic Information Systems</i> (Geography 563). Spring semester. Department of Geography, University of South Carolina. Supervised by Dr. Daniel Wagner. |
| 1993 | Teaching Assistant. <i>Cartographic Modeling</i> (Geography 564). Fall semester. Department of Geography, University of South Carolina. Supervised by Dr. Daniel Wagner. Teaching Assistant. <i>South Carolina Geographic Alliance Summer Institute</i> . Summer semester. Department of Geography, University of South Carolina. Supervised by Dr. Richard Silvernail. |
| | Teaching Assistant. <i>Introduction to Geography</i> (Geography 103). Spring semester. Department of Geography, University of South Carolina. Supervised by Dr. Richard Silvernail. |
| 1992 | Teaching Assistant. <i>Introduction to Geography</i> (Geography 103). Fall semester. Department of Geography, University of South Carolina. Supervised by Dr. William Stanley. University Classroom Teaching, University of South Carolina Instructional Development Project, 10 training hours, August. |

Laboratory Assistant. Introduction to Physical Geography (Geography 105). Spring semester. Department of Geography and Regional Planning, Salisbury State University. Supervised by Dr. Michael Folkoff.

1991 Laboratory Assistant. Introduction to Physical Geography (Geography 105). Fall semester. Department of Geography and Regional Planning, Salisbury State University. Supervised by Dr. Michael Folkoff.

Laboratory Assistant. Introduction to Physical Geography (Geography 105). Spring semester. Department of Geography and Regional Planning, Salisbury State University. Supervised by Dr. Calvin Thomas.

Discipline Service

Reviewer, Article for *Review of Public Personnel Administration*, 2017

Invited Member, HAZUS Software Development Committee, 2015 – present

Appointed Member, AAG Finance Committee, 2015 – 2017

Member, Maryland Open Data Committee, 2014 – present

Significant accomplishments: Appointed by the Governor of Maryland to this position

GIS Certification Institute's Board of Governors

Appointed Representative, 2013 – present; Treasurer, 2015 – present

Significant accomplishments: Oversaw transition to an exam-based certification

Reviewer, Article for *GEOFORUM*, 2013

Member, MD iMap Executive Committee, 2012 – 2014

Significant accomplishments: Appointed by the Governor of Maryland to this position

Reviewer, Article for *Environment & Planning A*, 2012

Invited Reviewer, "Benefits in Flood Reduction from Small Storm Retention," Environmental Protection Agency Office of Water, 2012

Reviewer, Article for *Journal of Geography*, 2012, 2015

Member, GIS Subcommittee of the Delmarva Emergency Task Force, 2011 – present

PhD Dissertation Committee, Ms. Keota Silaphone, University of Maryland Center for Environmental Science, 2010 – present

Regional Councilor, Middle Atlantic Division of the Association of American Geographers, 2010 - 2013

Member, NSGIC Broadband Working Group, 2010 - 2016

Maryland State Geographic Information Committee (MSGIC)

Member 2000 – 2005, 2009 – present; Education Caucus Chair 2001-2005; Executive Committee Chair-Elect FY2011; Executive Committee Chair FY2012; Executive Committee Past-Chair FY2013; Grant Development Subcommittee Chair 2013 – 2015; Education Caucus Chair 2015 – 2017

Significant accomplishments: Helped complete the reorganization of MSGIC to include all GIS stakeholders in Maryland; Organized and hosted the MSGIC Quarterly Meeting in April 2001 and

M. S. Scott C. V. - 2016

April 2005; Led the transition from a volunteer association to a formal, non-profit corporation in 2012

Organized and hosted *MidAtlantic Division of the Association of American Geographers Annual Meeting* at Salisbury University, October 24-25, 2008

Contributor, Terrestrial Monitoring Plan Steering Committee, Maryland Coastal Bays Program, 2007

Invited member, Maryland GIS Coordination Strategic Planning Committee, 2006 - 2009

Eastern Shore representative to the Maryland Association of State Floodplain Managers Executive Committee, 2006 - 2010

Chair, Mid-Shore Regional Council's GIS Committee, 2005 – 2015, Member from 2003 - present

Student Activities Chairperson, Mid-Atlantic Division of the Association of American Geographers, 2004

Member, Towson University Geographic Information Sciences Conference Advisory Committee, 2002 – present

Member, Tri-County Council of the Lower Eastern Shore's GIS Committee, 2002 – present, Chair 2002 - 2008

Significant accomplishments: Authored subcommittee's mission statement and organizational goals

Member, Ms. Dana Limpert's (UMES) Master's Thesis Committee, 2002 – 2003

Article Reviewer, *Environmental Hazards*, 2000 – 2002, 2015

Article Reviewer, *Journal of Vegetative Science*, 2000

Newsletter Editor, AAG Hazards Specialty Group, 1998 - 2003

Session Organizer, "The Use of Advanced Technology in Hazards Research," *Association of American Geographers Annual Meeting*, Fort Worth, Texas, April 2, 1997.

Creator/Maintainer, *AAG Hazards Specialty Group WWW Home Page*, 1997 to 1999.

Session Recorder, *Annual Hazards Research and Applications Workshop*, 1996.

Organizing Committee Chair, *Eleventh Annual Southeastern Geography Student Conference*, 1996.

Creator/Maintainer, Virtual Department (VIRTDEPT) Electronic Discussion List, 1995 to 1996.

University Service

Member, Center for Public Affairs and Community Engagement (PACE) Steering Committee, 2015 - 2017

Member, Search Committee for Instructional Designer, Instructional Design & Delivery Department, 2012

University Representative, Council of University System Faculty, 2012 - 2013

Member, University Research Council, 2010 - 2017

M. S. Scott C. V. - 2016

Member, Honors Convocation Committee, 2010 – 2012

Member, Honors Program Task Force, 2010 – 2012

Member, Membership & Elections Committee, 2010

Member, Ad-hoc Committee on Faculty Senate Reorganization, 2009 - 2011

Member, Academic Policies Committee, 2009 - 2010

Member, Membership and Elections Committee, 2008 - 2009

Member, Search Committee for Architect, Facilities Management Department, 2008

Member, Search Committee for CAD Operator, Facilities Management Department, 2007

Member, SU Graduate Council, 2007 - 2016

Member, Faculty Senate (elected at-large), 2006 – 2012; Webmaster, 2008 - 2009

Member, Salisbury University Action Network, 2003

Member, Salisbury University Student Research Conference Organizing Committee, 2002 - 2008

Member, Environmental Studies Program Steering Committee, 2002 - 2008

Significant Accomplishment: Launched Environmental Studies major in 2003

Member, Learning Technology Committee, Faculty Senate, 2001 –2004, 2006 - present; Chair, 2001 - 2002

Significant Accomplishment: Creation of the University Policy on Technology Fluency

Member, Space Utilization Committee, University Forum, 2001 - 2007

Member, Government Relations Committee, University Forum, 2000 – 2007

Advisor, SU Ice Hockey Club, 2001 - 2002

Member, Honors Program Committee, Faculty Senate, 1999 – 2001; Co-chair in 2000

Significant Accomplishment: Successful search for program co-director

Member, Informational Technology Committee, University Forum, 1999 – 2002

Member, Summer Undergraduate Research Field Study (SURFS) program Organizing Committee (Funding subcommittee), 1999

Henson School Service

Member, Search Committee for the Dean of Research and Graduate Studies, 2009 - 2010

Member, Henson Curriculum Committee, 2002 - 2009

Member, Henson Undergraduate Research Committee, 2001 - 2004

Member, Technology Committee, 1999 – 2001

Founding member, Summer Undergraduate Research Experience Executive Committee, 1999

Departmental Service

Member, Tenure and Retention Committee for Dr. Daniel Harris, 2013 - 2015

Member, Search Committee for GIScience Assistant Professor, 2013

Member, Search Committee for GIScience Visiting Assistant Professor, 2012

Chair, Search Committee for the Program Management Specialist, 2011

Chair, Search Committee for GIScience Visiting Assistant Professor, 2009 - 2010

Member, Tenure and Retention Committee for Dr. Mark de Socio, 2008 - 2012

Member, Tenure and Retention Committee for Dr. Gina Bloodworth, 2008 - 2012

Chair, Tenure and Retention Committee for Dr. Arthur Lembo, 2007 - 2010

Member, Search Committee for Environmental Geographer, 2008

Member, Search Committee for Human Geographer (Economic), 2007

Chair, Search Committee for GIScience Assistant Professor, 2006 - 2007

Developed the Master of Science in Geographic Information Systems and Public Administration program,
2006

Chair, Promotion Committee for Dr. Mara Chen, 2006

Chair, Tenure and Retention Committee for Dr. Alexis Aguilar, 2006 - 2012

Member, Tenure and Retention Committee for Dr. Amal Ali, 2006 - 2010

Member, Tenure and Retention Committee for Dr. Darren Parnell, 2006 - 2010

Member, Search Committee for Physical Geography/GIS Assistant Professor, 2006

Chair, Search Committee for Human Geography/Planning Assistant Professor, 2005 - 2006

Member, Search Committee for Meteorology/Climatology Assistant Professor, 2005 - 2006

Chair, Tenure and Retention Committee for Dr. Margaret Foraker, 2004 - 2007

Member, Tenure and Retention Committee for Dr. Brent Zaprowski, 2000 - 2007

Faculty Advisor, Geographic Society Spring Break Trip to Death Valley, California, 2004

Maintain and service the Department of Geography computer network which includes almost 100 computers including lab machines as well as faculty machines and research machines. 1998 – present.

Developed the interdisciplinary Geographic Information Systems Minor, 2001

Member, Graduate Program Exploratory Committee, 1999

Accompanied SSU Geographic Society on whitewater rafting trip to the Youghiogheny River in Pennsylvania, April 24 – 25, 1999

Accompanied SSU Geographic Society on camping trip to Burkittsville, Maryland, November 6 – 7, 1999

Department representative, SSU Open House, October 16, 1999

Department representative, SSU Open House, December 5, 1998

Recreated Department of Geography World Wide Web resources (with D. Harris). This included the creation of a DOG alumni page, a first for the University. Fall 1998

Member, South Carolina's 1996 World Geography Bowl Team [SEDAAG Finalists].

Creator/Maintainer, USC Department of Geography (USC-GEOG) Electronic Discussion List, 1996 to 1998.

Chair, USC Department of Geography Graduate Student Faculty Search Committee, 1995 to 1996.

Member, USC Department of Geography Faculty Search Committee, 1995 to 1996.

Creator/Maintainer, USC Geography Department Web Server, 1994 to 1998.

Member, South Carolina's 1995 World Geography Bowl Team [SEDAAG Finalists].

Treasurer, USC Geography Graduate Student Association, 1994 to 1995.

Departmental Representative, USC Graduate Student Association, 1994 to 1995.

Organizer/Coach/Member, South Carolina's 1994 World Geography Bowl Team [SEDAAG Champions].

Organizer/Coach/Member, South Carolina's 1993 World Geography Bowl Team [SEDAAG Champions, National Champions].

Member, USC Department of Geography Graduate Student Chair Search Committee, 1992 to 1993.

Member, South Carolina's 1992 World Geography Bowl Team.

Treasurer, Salisbury State University Geographic Society, 1991 to 1992

Employment

| | |
|----------------|---|
| 2017 - present | Interim Dean, Henson School of Science and Technology, Salisbury University |
| 2015 - 2017 | Associate Dean, Henson School of Science and Technology, Salisbury University |
| 2007 - 2016 | Graduate Program Director, Master of Science in Geographic Information Systems Management, Salisbury University |
| 2004 - present | Director, Eastern Shore Regional GIS Cooperative, Salisbury University |
| 2010 - present | Professor, Department of Geography and Geosciences, Salisbury University |

- 2003 - 2010 Associate Professor, Department of Geography and Geosciences, Salisbury University
- 1998 - 2003 Assistant Professor, Department of Geography and Geosciences, Salisbury University
- 1997 - 1998 Post-doctoral Researcher, Hazards Research Lab, Department of Geography, University of South Carolina. "Subsidized Inequities: The Spatial Pattern of Environmental Risks and Federally-assisted Housing." Dr. Susan Cutter, Dr. Kirstin Dow, and Dr. Michael Hodgson, Co-P.I.s. Funded by the United States Department of Housing and Urban Development.
- 1997 Geographic Database Manager, Hazards Research Lab, Department of Geography, University of South Carolina. "Developing a GIS-based Hazards Assessment for South Carolina Counties." Dr. Susan L. Cutter, P. I. Funded by the South Carolina Emergency Preparedness Division.
- 1996 - 1998 Geographic Database Manager and Research Assistant, Hazards Research Lab, Department of Geography, University of South Carolina. "South Carolina's Atlas of Environmental Risk: Enhancing Public Awareness of Environmental Issues." Dr. Susan L. Cutter, P. I. Funded by South Carolina Educational and Research Foundation.
- 1995 - 1996 Research Assistant, Hazards Research Lab, Department of Geography, University of South Carolina. "Relative Risk Profiles: A Methodology for Assessing Community Risk." Dr. Susan L. Cutter, P. I. Funded by South Carolina Educational and Research Foundation.
- 1995 Research Assistant, Department of Epidemiology and Biostatistics, School of Public Health, University of South Carolina. "An Examination of Prostate, Kidney, and Breast Cancer Occurrence in Sumter County, South Carolina." Dr. Ann Coker, P.I.
- 1993 - 1994 Geographic Database Manager, Andean Geophysical Laboratory, Department of Geological Sciences, University of South Carolina. "Colombian Geophysical Project." Dr. James Kellogg, P.I. Funded by EcoPetrol, Bogota, Colombia.
- 1993 Geographic Information Systems Specialist, United States Soil Conservation Service, Columbia, South Carolina. Edward Kephart, Supervisor.
- 1990 - 1997 Boatswain's Mate, Third Class, United States Coast Guard Reserve