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EXECUTIVE MANAGEMENT PROFILE

Results driven, senior management executive with proven track record of leading large and small organizations through transformation, innovation, and steady state operations that increase operational effectiveness and financial performance and expand the customer base and ensure end user satisfaction. Accountable for managing scarce resources to boost outcomes while performing under austere budgeting. Recognized leader in leading innovative and complex IT initiatives that involve diverse stakeholders internal and external to the organizations. Proven ability to capitalize on individual and team strengths, develop shared vision and implementation strategy and achieve business objectives.

SELECTED ACCOMPLISHMENTS

- Leader in technology innovation, transformation, management, and implementation in support of Agency's Operations centers and keeping pace with technology innovation by executing joint technology requirements, defining enterprise architecture, and instituting executive governance. *Leading change, Results Driven, Business Acumen*
- Managed and staffed Agency IT operations that function as high performing and in-demand resources, achieving numerous awards and recognitions for IT innovation and excellence. *Leading Change, Results Driven, Leading People*
- Developed collaborative partnerships with Agency business units, Science and Technology Directorate, and research and development groups to implement new IT innovation and perform operational readiness assessments. *Building Coalitions, Leading Change, Leading People*
- Drove development and delivery of mission critical Common Operating Picture capabilities to production in less than 12 months, exceeding expectations for product quality, cost, and schedule. *Results Driven, Business Acumen*
- Established Agency's enterprise data and software licensing agreements based on joint requirements management that has contributed to over $100 million in cost savings and avoidance since 2012. *Results Driven, Business Acumen, Leading Change*
- Established and executed strategy for geospatial and common operating picture capabilities in support of national preparedness and critical infrastructure goals in collaboration with the federal interagency, state, locals, tribal, territorial, and private sector partners. *Building Coalitions, Leading Change*
- Launched the National Geospatial Preparedness Summit in 2015, an annual event that brings together stakeholders from across the public safety, emergency management and homeland security communities. The summit was founded as a partnership with Federal, state, local, tribal, territorial, private sector, and non-governmental organization including NAPSG, NSGIC, OGC, USGIF, IAFC, IAEM, American Red Cross, etc. *Leading People, Business Acumen, Leading Change*

- Appointed the first official Geospatial Information Officer for DHS by the DHS Secretary in 2015. Appointed as co-chair of the Information Systems and Architecture subcommittee of the National Geospatial Intelligence Committee by the Director of NGA in 2015. Appointed to the National Geospatial Advisory Committee by the Secretary of Interior in 2016. *Leading Change, Leading People, Business Acumen*
- Led transformation of statewide legislative redistricting, precinct demographic, and mapping programs from standalone PCs to client server enterprises with web interfaces. *Results Driven. Leading Change*
- Managed the DHS COP program from planning, implementation, and maintenance and operations from a failing OMB 300 program in 2010 to a healthy highly performing and award-winning IT program in 2012, 2013. *Leading People, Results Driven, Business Acumen*
- Managed IT operations for mission critical operations at the federal, state, and private sector. *Results Driven, Business Acumen*
- Served as a subject matter expert to the US Federal District Court, US Department of Homeland Security, State of South Carolina and served as executive member of several federal, state, and professional committees. *Leading People, Building Coalitions*
- Proven talent in IT management and transformation receiving various awards and recognitions: Federal Computer Weekly Top 100 Federal Employees 2013 – David Alexander; Armed Forces Communications and Electronics Association (AFCEA) Bethesda Chapter Outstanding Achievement in Government-wide initiatives – Geospatial 2012 – David Alexander; Excellance.gov Finalist 2012 - GeoCONOPS; Government Computer News Top 10 Government Systems Winner 2012 - DHS COP; URISA Distinguished System in Government 2013 – 2 Winning Programs, DHS COP, DHS GII; Esri Significant Achievement Award 2013 - Geospatial Management Office; GITEC Project Management Award 2014 - DHS COP, DHS USM One DHS Award 2015; 2017 ASTOR Homeland Security Award – DHS S&T Flood Apex program. *Results Driven, Business Acumen, Leading Change, Leading People, Building Coalitions*

PROFESSIONAL EXPERIENCE

IT Program Manager (Chief Geospatial Scientist)   **October 2016 – present**
Science and Technology Directorate
Department of Homeland Security, Washington DC

Hold: TS\SCI clearance

Serve as a subject matter expert on technology innovation for Homeland Security, First Responders, and Emergency Management. Program manager for the Flood Apex program in support of FEMA and the DHS S&T partnership with NATO Office of Science for Peace and Security on Advanced Regional Civil Emergency Preparedness. *Building Coalitions, Business Acumen, Leading Change*

- o Transformed the Flood Apex program into an award-winning program recognized for innovation and thought leadership across the US and International communities. Developed the Homeland Security Geospatial Concept of Operations as part of Presidential Policy Directive 8 starting 8 initial members to over 35 participating organizations from federal, state, local, and private sector. *Building Coalitions, Leading People, Leading Change*
- o Provided experimental products resulting from Flood Apex innovations to FEMA during the 2017 hurricanes. This enabled FEMA to expedite more than 115,000 NFIP claims and target and prioritize resources to areas of most impact. This effort proved the value of Flood Apex innovations and provided a live field test validation. *Results Driven, Leading Change*

IT Supervisory Specialist (Geospatial Information Officer)   **January 2009 – 2016**
Office of the Chief Information Officer
Department of Homeland Security, Washington DC

Hold: TS\SCI clearance

Appointed the first official Geospatial Information Officer for DHS by the Secretary in 2015. Promoted to Director of the Geospatial Management Office in 2011. *Business Acumen, Results Driven*

Formulated the geospatial information and technology strategy for Homeland Security and led the implementation of the geospatial information infrastructure, common operating picture, and geospatial concept of operations. *Business Acumen, Results Driven*

Developed the technical and acquisition strategy with Office of Procurement for the geospatial enterprise-wide licensing and support services agreements for the Department. Established more than $190 million in strategically sourced multi-year contracts (blanket purchase agreements, indefinite delivery/indefinite quantity, and enterprise licensing agreements) for the Department with cumulative cost savings/avoidance since 2012 of over $100 million. *Results Driven, Business Acumen, Leading People*

Established the IT governance process in collaboration with the DHS Components for Geospatial Management and DHS Common Operating Picture in conformance with Departments IT policies and procedures. *Building Coalitions, Leading Change, Leading People, Business Acumen*

Achieved progressively higher level of responsibility: Served as the Geospatial Information Officer and Director of the Geospatial Management Office from January 2012 to present. Served as the Chief Geospatial Architect from August 2009 to January 2012. Served as the Deputy Chief of FEMA Geospatial Services from January 2008 to August 2009. *Results Driven, Business Acumen, Leading People, Leading Change*

- o Developed the Homeland Security Geospatial Concept of Operations as part of Presidential Policy Directive 8 starting 8 initial members to over 35 participating organizations from federal, state, local, and private sector. *Building Coalitions, Leading People, Leading Change*
- o Developed Geospatial Interoperability Architecture in partnership with PM-ISE, DOC, DOI, NGA, NOAA, and USGS to serve as guidance to national geospatial community. *Building Coalitions, Leading People*
- o Established the DHS Geospatial Information Infrastructure as an award winning, secure cloud platform that has grown from less than 1000 users in 2011 to over 40000 users spans 170 organizations and leverages shared DHS IT investments such as DC2, HSIN, and DHS COP. Received an IT excellence award in 2013. *Results driven, Business Acumen*
- o Worked with the Whitehouse, NSS, and DHS senior leadership on shutter control policy for US commercial remote sensing assets. *Building Coalitions, Business Acumen, Leading People*
- o Collaborated with the FDGC and GeoCOMM on federated cross-network geospatial capabilities to link the DHS GII, DOI Geoplatform, and NGA GeoIntOnline to improve community access to geospatial information that is aligned to the ODNI information sharing architecture. *Building Coalitions*
- o Led the establishment of the Homeland Infrastructure Foundation Level Working Group as a subcommittee of the FGDC to manage federal investment in geospatial data for critical infrastructure. *Leading Change, Leading People, Building Coalitions, Business Acumen*
- o Established joint operating agreement between DHS GMO and DHS S&T to ensure that DHS R&D efforts are linked to operational requirements and capability gaps in support of the Department's Unity of Effort and front-line missions. This includes support for emerging technology, testing and evaluation, and research requirements. *Building Coalitions, Leading People, Business Acumen*
- o Dramatically reduced the operating costs for the DHS GMO and COP investments by leveraging the Department's shared IT investments in the Data Center (virtual servers and OneNet) and IDM services through HSIN. Business Acumen, *Leading Change, Results Driven*
- o Architected and deployed the first federal geospatial hybrid cloud platform called the DHS Geospatial information infrastructure in 2010. The technical architecture was used by the FGDC as a model for the President's geospatial platform initiative in 2011. *Leading Change, Results Driven*
- o Graduate of inaugural class of the South Carolina State Budget and Control Board Leadership Academy in 2002. *Leading Change, Leading People*

IT Supervisory Specialist (Geospatial Information Officer)   January 2009 – 2016

Department of Homeland Security, Washington DC

Served as the Deputy of the Enterprise GIS Services Section of the FEMA CIO. Responsible for overall management of GIS operations for the section including strategic planning, budgeting, project management. Administered the FEMA Mapping and Analysis Center (MAC) and provided geospatial support to disaster operations at the FEMA National Response Coordination Center (NRCC). *Business Acumen, Results Driven.*

Led the technical growth and maturity of FEMA's geospatial capabilities including transition of the FEMA Mapping and Analysis Center (MAC) from a map production facility to a facility with an integrated enterprise Geographic Information System and high-end analytical capability. *Leading Change, Results Driven*

- o Served as a senior geospatial technical architect to management, agency partners, and industry consortiums. *Building Coalitions*
- o Architect the FEMA GIS website that provided transparency on Gulf Coast Recovery Project supported through DHS assistance programs. The website was launched as FEMAtranparency.gov and was built and released within 6-months as an initial operating capability then upgraded to full operating capability 6 months later. The website was featured in the local and national media outlets and was mentioned in the Secretary's project updates in 2008. *Leading Change, Results Driven*
- o Reengineered the FEMA deployable geospatial equipment program in 2008 to function as field ready geospatial operations centers that included processes and best practices for configuration management, provisioning, data management and web services publication. *Leading Change, Results Driven*

Technology Manager II (Senior Program Manager)　　　　**January 2007 – January 2008**

Michael Baker, Jr. Corp, Alexandria, Va.

Administered the contract support to FEMA Headquarters and disaster operations including the Mapping and Analysis Center (MAC). Expanded the contract support and project activities to multiple FEMA business units representing a funding increase of $3.5 during my tenure. *Business Acumen, Leading People, Leading Change, Results Driven*

Accountable for contractor budget, staffing, and resource management to drive customer satisfaction, identify new business opportunities, and increase profitability by introducing IT and workflow efficiencies. Served as a change agent and leader for transforming the staff culture and contractor performance. *Business Acumen, Leading People, Leading Change, Results Driven, Building Coalitions*

- o Restructured the technical architected and shifted staff assignment based on individual and team strengths increasing the efficiency of the MAC by over 50%. Developed automated routines for standard map requests and push button geospatial analytics and publication routines. *Leading People, Leading Change, Results Driven*
- o Increased the contractor team from 5 FTEs to more than 15 FTEs based on project success. This included projects for the FEMA Continuity, Logistics, Recovery, Response, and Gulf Coast Recovery Program Offices. Increased the profitability of the MAC by 500% supported by high customer satisfaction and project success. *Business Acumen, Results Driven*
- o Developed and launched comprehensive program across disciplines that include cross-training, core competencies, skill development for staff and technology refresh of the full IT architecture. *Business Acumen, Leading People, Leading Change, Results Driven*
- o Authored the HAZUS modeling concept of operations for the MAC in collaboration with FEMA GIS manager that leveraged both FEMA federal and contractor personal to provide rapid impact modeling results for floods, hurricanes, and earthquakes. *Building Coalitions, Leading People, Leading Change, Results Driven*

IT Group Director　　　　　　　　　　　　　　**June 2005 – January 2007**

XPAND Corp, Reston, Va.

Led the winning recompete on the IT services contract for the Company's major clients: State of Minnesota and US Department of Labor. *Business Acumen, Leading People, Leading Change, Results Driven, Building Coalitions*

Managed the IT team that supported the CareerOneStop program that included America's Service Locator. Award winning project funded by a DOL grant to the State of Minnesota. Received Hammer and Golden Web awards. *Business Acumen, Results Driven*

Accountable for contractor budget, staffing, and resource management to drive customer satisfaction, identify new business opportunities, and increase profitability by introducing IT and workflow efficiencies. *Business Acumen, Leading People, Leading Change, Results Driven*

- o Re-architected the CareerOneStop website to use a managed server cluster a precursor of cloud computing that increased through put. The site leverage 4 virtual server equivalents to process over 7 million transactions a year and included burstable internet bandwidth to account for user surge during events like Katrina or regional mass layoffs that occurred during the economic crises. *Business Acumen, Results Driven, Leading Change*
- o Orchestrated with winning bid for the $20 million-dollar CareerOnestop Project that represented a $25 increase in revenue for the Company. *Business Acumen, Results Driven, Leading People*

Geospatial Program Manager   **June 2005 – January 2007**
IEM Inc, Crystal City, Va.

Led the re-engineering the Department of Health and Human Services Secretary's Operations center (SOC) from network cabling, computer equipment, video equipment, mobile command post, and online applications. *Business Acumen, Leading People, Leading Change, Results Driven*

Managed the IT team that supported the watch officer in the SOC and IT requirements for the Secretary and Assistance Secretary. *Business Acumen, Leading People, Results Driven*
Accountable for onsite contractor budget, staffing, and resource management to drive customer satisfaction, identify new business opportunities, and increase profitability by introducing IT and workflow efficiencies. *Business Acumen, Leading People, Leading Change, Results Driven*

- o Re-architected the Hospital Asset Tracking System and Blood Availability Information Systems into an integrated web platform. Geocoded the data so it could be displayed on the SOC master video wall with satellite imagery and critical infrastructure. *Results Driven, Leading Change*
- o Upgraded the network cabling from Cat-5 to Fiber and optimized the wiring to increase throughput and account for high bandwidth requirements for video. *Results Driven*
- o Created the database scheme for the SOC public health emergency integrated database that included geolocation fields and automated the workflow process to allow for near instantaneous mapping and viewing of satellite imagery using push buttons from the command console. *Results Driven*
- o Re-engineered the SOC mobile command post to integrate cellular and satellite communications. The command post included an onboard client-server configuration that leveraged GPS tacking and satellite imagery to provide a geospatial map of active incidents, local conditions, and trip events to facilitate field planning. *Results Driven, Leading Change*

Project Manager   **Feb 2004 – November 2004**
Intermedia Group, New York, NY.

Managed the project team that developed the award winning Geospatial Information Clearinghouse an online geospatial analysis and visualization resource that provided business intelligence reports on key business functions and performance indicators. *Business Acumen, Leading People, Leading Change, Results Driven*
Accountable for onsite contractor support, project schedule, budget, and resource management to drive customer satisfaction, identify new business opportunities, and increase profitability by introducing business units to benefits of geospatial technology. *Business Acumen, Leading People, Results Driven*

- o Led the IT optimization efforts to automate the geospatial datawarehouse routines in Oracle Spatial and implemented PMP best practices for managing project milestones. *Results Driven*
- o Deployed the first operational instance of the MapExtreme 2004 software from MapInfo Corp. *Results Driven, Leading Change*
- o Architected the technical solution defining the technology stack, required data sources, and initial web interface and wireframe diagrams. *Results Driven*
- o Developed the geospatial analytic reports and maps styles for the key performance indicators for the NY Office of Children and Family Services. Led development and production of the initial operating capability. Negotiated Agency access to data from other NY state institution and developed technical road map for integrating federal data sources from the US Census Bureau and Department of Labor. *Results Driven, Leading Change*
- o Deployed the Geospatial information clearinghouse to 25000 citrix clients distributed across the state of NY including local field offices. *Results Driven*

Director GIS Development   **Aug 2003 – Jan 2004**
Navigational Sciences, Inc., Charleston, S.C.

Administered the GIS Development business unit. Accountable for project teams, project schedules, budgets, and resource management to drive customer satisfaction, identify new business opportunities, and increase profitability of service offerings. *Building Coalitions, Business Acumen, Leading People, Leading Change, Results Driven*

- Authored and won $1.2 million Homeland Security Small Business Innovative Research Project to develop and test advanced radio-frequency identification technology that fused radio navigation and GPS technology to tract and monitor the precise locations of sensitive assets and cargo across the maritime domain and calculate risk profiles and geofencing thresholds based on geospatial vectors and high-resolution imagery. *Results Driven, Business Acumen, Leading People*
- Orchestrated a live demo of the initial proof-of-concept at the Charleston, SC Port Authority Operations Center with Maersk USA that demonstrated live tracking and viewing of marine cargo within the container yard. *Results Driven, Business Acumen*
- Coordinated engineering partnership with Oak Ridge National Labs per a Cooperative Research and Development Agreement to monitor development of the technology. *Building Coalitions, Results Driven*
- Participated in Angel investor briefings with potential partners and stakeholders. *Building Coalitions*

Program Manager   **May 1995 – Jul 2003**
State of South Carolina, Columbia, S.C.
Administered the Digital Cartography and Precinct Demographics Division of the Office of Research & Statistics within the SC Budget and Control Board. This include resource management, staffing, budget, contracting, and service delivery to over 176 legislators, 15 state agencies, 100 county, city, and countless schools and local service districts. *Building Coalitions, Business Acumen, Leading People, Leading Change, Results Driven*
Established the E911 mapping, road centerline, and addressing and geocoding programs that helped the state expand from 8 counties to 45 counties with E911 and an improved decennial 2000 census county during my tenure. *Leading People, Leading Change, Results Driven*
Served as a subject matter expert to the US Federal District Court, Governor and Legislature of State of South Carolina, New Hampshire Supreme Court (on loan from South Carolina), and numerous local councils and commissions. *Leading People, Results Driven*

- Led transformation of statewide legislative redistricting, precinct demographic, and mapping programs from standalone PCs to client server enterprises with web interfaces. Increased productivity from 2 local redistricting plans per employee per day to 8 plans per employee per day (400% increase). *Results Driven. Leading Change*
- Served as the State's Chief Cartographer and expert on location-based technology: representative on the South Carolina Cellular Mobile Radio Services Committee, lead for the addressing and tax mapping subcommittees of the South Carolina State Mapping Advisory Committee, and as a judge/moderator for South Carolina State Geography Bee. *Leading People, Building Coalitions*
- Administered the South Carolina wireless E911 surcharge trust fund of over $11 million in annual tax receipts and ensured funds were allocated properly based on mandated entitlement formulas between state administration, local E911 office, and commercial Tele-communications companies. *Business Acumen, Results Driven, Building Coalitions*

Education:

University:	Degree:	Dates (Year Received):
George Mason University Fairfax, Va.	**Ph.D. – Earth Sciences**	**2007-2016 (2016)**
Colorado Technical University Colorado Springs, Co.	**MS – Business Management**	**2004-2005 (2005)**
University of South Carolina Columbia, S.C.	**MS – Geography**	**1993-1997 (1997)**
University of South Carolina – Aiken Aiken, S.C.	**BA – History (Cum Laude)**	**1990-1993 (1993)**

Professional Societies/Boards/Publications

Professional Societies/Memberships:	Date:
American Association for the Advancement of Science	2017-
US Geospatial Intelligence Foundation	2014-
Association of American Geographers	2007-
Project Management Institute (PMI)	2006-
Washington, D.C. Chapter of Project Management Institute	2006-
Cartography and Geographic Information Society (CaGIS)	2006-
Geographic Land Information Society (GLIS)	2006-
ESRI Mid-Atlantic User group	2005
GIS Corps	2005

Appointments/Boards/Committees:	Date:
Federal Sector representative – Appointed by Secretary of Interior	2016-
National Geospatial Advisory Committee	
Charter member/co-founder	
National Geospatial Preparedness Summit	2015-
Government Advisor to Board of Directors	
United States Geospatial Intelligence Foundation – Board advisor	2014-
Geospatial Information Officer - Appointed by Secretary of Homeland Security	
U.S. Department of Homeland Security	2015-16
Tri-chair – Appointed by Director of National Geospatial-Intelligence Agency	
Information Systems & Architecture subcommittee, National Geospatial Intelligence Committee	2015-16

Professional Publications/Presentations:

- "Quantifying the Impact of 20-Year Flood Frequency on Land Cover Change Type," Francois G.F. Smith and David J. Alexander. American Journal of Civil Engineering and Architecture, 2018, Vol. 6, No. 1, 13-23.
- Panelist, Conversation about Terrestrial Models, National Academy of Sciences. February 2018.
- Opening Remarks and co-host. Flood analytics Symposium, Coastal Resiliency Center, University of North Carolina-Chapel Hill. November 2017.
- DHS S&T Flood Apex program, Rethinking America's costliest disaster. Fedstival Bold Friday hosted by Government Executive September 2017.
- Radio Interview, David Alexander: DHS office's technology enables earlier flood warnings.
  https://federalnewsradio.com/federal-drive/2017/08/david-alexander/. Federal News Radio. August 2017.
- Opening Remarks. presentation to the National Geospatial Preparedness Summit, August 2017.
- Panel Lead, Emerging Technologies for First Responders. National Geospatial Preparedness Summit, August 2017.
- New and emerging capabilities from DHS S&T, National Geospatial Preparedness Summit, August 2017.
- DHS Flood Apex program, presentation to the National Academy of Sciences Committee to Advise the US Global Climate Research Program. April 2017.
- Participant, Urban Flooding Workshop (Baltimore, Md), National Academy of Sciences. April 2017.
- COMMENTS ON OMB CIRCULAR A-16 AND THE GEOSPATIAL POLICY FRAMEWORK: A Paper of the National Geospatial Advisory Committee. Prepared by the subcommittee, members: Tony Spicci (CoChair), Molly Vogt (Co-Chair), David Alexander, Bert Granberg, Kevin Pomfret, Laxmi Ramasubramanian, Amber Reynolds, and David Wyatt.National Geospatial Advisory Committee. December 2016.
- Opening Remarks, presentation to the National Geospatial Preparedness Summit, September 2016.
- Panelist on Emerging trends in public safety technology, Public Services Council. March 2017.

- **HIFLD Open and Secure, presentation by David Alexander and Mike Donnelly. Esri 2016 FedGIS Plenary: United States Department of Homeland Security. Esri Federal User Conference February 2016.**
- **Opening Remarks, presentation to the National Geospatial Preparedness Summit, August 2015.**
- **State of GEOINT Report 2015. Contributor. US Geospatial Intelligence Foundation. 2015.**
- **Homeland Security Geospatial Enterprise capabilities, presentation to the Senate GIS Working Group. US Senate. May 2015.**
- **Big Spatiotemporal (BiST) Data Analytics, panelist. Association of American Geographers Annual Meeting. April 2015.**
- **"Homeland Security Geospatial Data," presentation to the National System for Geospatial Intelligence, NOX, Apr 2015.**
- **DHS Geospatial Management Office, presentation to the Homeland Security Government Affairs Committee, US House of Representative. March 2015.**
- **Geospatial Interoperability Reference Architecture, presentation to the Workshop on Information Sharing and Safeguarding Standards, Integrated Justice Information Systems Institute. February 2015.**
- **"Geospatial Arsenal for Homeland Security,", Geospatial World Magazine, Volume 04, Issue 10. David Alexander. Geospatial Media and Publications Pvt. Ltd., May 2014**
- **"Homeland Security," Government Pavilion Stage, interactive session at Geoint Symposium 2013 on Apr 16, 2014.**
- **"DHS Geo Information Infrastructure and HIFLD," presentation at the National Security Workshop at Geoint Symposium 2013 on Apr 15, 2014.**
- **"Department of Homeland Security," Agency Briefings Session, 2014 Federal Programs Conference, Management Association for Private Photogrammetric Surveyors, Apr 1, 2014.**
- **Expert Panelist on Situational Awareness at Workshop on Information Sharing and Safeguarding Standards (WIS3), Integrated Justice Information Systems Institute, Mar 27, 2014**
- **"Homeland Security," Federal Activities session at the National State Geographic Information Council Mid-Year Conference, Feb 25, 2014.**
- **Expert Panelist on National Security Immersion Summit at the ESRI Federal User Conference 2014 on Feb 10, 2014.**
- ***"Missing Pieces and Opportunities," Encyclopedia of Crisis Management: Damage Assessment.** Christopher Emrich and David Alexander. SAGE Knowledge Publications. May 1, 2013.*
- **"HLS GeoCONOPS for State and Local stakeholders," presentation to the National Information Sharing Consortium, 2013.**
- **"DHS Geospatial Information Infrastructure," presentation webinar to the National Alliance for Public Safety GIS, 2013.**
- **"HLS GeoCONOPS," presentation webinar to the National Alliance for Public Safety GIS, 2013.**
- **"HLS GeoCONOPS and National Policy Directives," presentation to the HILD Annual Conference, 2013.**
- ***"DHS GeoCONOPS," presentation to the NENA Annual Conference, 2012.***
- ***"Geospatial Decision Support Workshop," presentation to the Presidential Policy Directive 8 Working Group, 2012.***
- ***"DHS Geospatial Initiatives," presentation to the HIFLD Annual User Conference, 2012.***
- ***"DHS Geospatial Initiatives," presentation to the NSGIC Annual Conference, 2012.***
- ***"DHS GeoCONOPS," presentation to the NAPSG East Coast Summit, 2011.***
- ***"DHS GeoCONOPS," presentation to the NSGIC Emergency Preparedness Committee. 2011.***
- ***"GIS Tutorial for Humanitarian Assistance," Contributing Expert. ESRI Press. 2010.***
- ***"GIS for Emergency Management and Disaster Operations," presentation to the DHS GeoConOps Workshop. Reston, Va. May 12, 2009.***
- ***"GIS for Emergency Management and FEMA's GIS program," presentation to the EPA GIS Working Group. Washington, DC. May 5, 2009***
- ***"FEMA Enterprise GIS Services," presentation to the DHS GWG Monthly Meeting. Washington, DC. April 22, 2009.***
- ***"FEMA OneMap," presentation to the ESRI Federal User Conference Feb 18-20. Washington, DC. Feb 20, 2009.***
- ***"FEMA Enterprise GIS Services Program," presentation to the FGDC HSWG. Washington, DC. Jan 15, 2009.***
- ***"Gulf Coast Transparency Website," presentation to the GCRO Transparency Project Press Conference. New Orleans, La. Nov 15, 2008.***
- ***"FEMA GIS," presentation to the FEMA Oracle/SOA Workshop. Reston, Va. Nov 11, 2008.***
- ***"FEMA GIS and Gulf Coast Transparency Project," presentation to the ESRI User Conference Aug 4-8. San Diego, Ca. Aug 6, 2008.***

- *"Improving the Delivery of Health and Community Services to Welfare Recipients, Columbia, South Carolina, 1997,"* David Morrison, David Alexander, Jonathan Fisk, and Jack Maguire. Journal of Public Health Management and Practice, 1999 (49-50).
- *"Aiken Area Council on Aging, a Non-Profit Organization: Uses GIS to Improve Community Programs and Services,"* David Alexander and George Alexander. Urban and Regional Information Systems, 1998.
- *"Sustained Storage in the Upper Chicken Creek Watershed and the Vertical Adjustment of Streams to Reduced Sediment Loads,"* David Alexander. Bulletin of the South Carolina Academy of Science Volume LIX, 1997.
- *"South Carolina's Addressing and Geocoding Project,"* David Alexander, Jonathan Fisk, and Jack Maguire. Bulletin of the South Carolina Academy of Science Volume LIX, 1997.
- *"Alternatives to Street Based Geocoding: Tax Parcels, GPS Points or Zip+4, Ideal Mappable Units?,"* David Alexander, Jonathan Fisk, and Jack Maguire. Bulletin of the South Carolina Academy of Science Volume LIX, 1997.
- *"Address Database and Address Road Centerline Content Standards,"* David Alexander. Geographic Information System (GIS) Subcommittee, South Carolina Information Resource Council. Approved by the Standing Committee on Geographic Information, April 19, 2000.
- *"Road Centerline Attribute Content and Spatial Data Development Standards,"* David Alexander. Geographic Information System (GIS) Subcommittee, South Carolina Information Resource Council, 2000.
- **Master's Thesis:**
  "Channel Morphological Adjustment to Soil Erosion and Sedimentation at the Chicken-Strong Creek Confluence", Master of Science Thesis, University of South Carolina, (December) 1997.
- "*Environmental Mapping: A Digital Atlas Approach,*" Bahamas Professional Alliance for GIS and Geosciences (PAAG) Annual Meeting, August 2003.
- *"Back To The Future:* The Role of GIS in Community Development," South Carolina Municipal Association Annual Conference, June 2003.
- "*New SC Legislative Plans and Reducing Precinct Splits: Training for Local Officials,*" SC Association of Registration and Election Officials 29th Annual Legislative Conference, February 2003.
- *"E911 Phase II and GIS Mapping Projects,"* Annual Meeting of the South Carolina State N.E.N.A. Chapter Annual Conference, October 2003.
- *"E911 and FCC Phase II Requirements,"* South Carolina State N.E.N.A. Chapter Annual Conference, October 2002.
- "*GIS Mapping, E911 addressing, and Statewide Voter Registration Systems to support H.A.V.A.,*" SC Association of Registration and Election Officials 28th Annual Legislative Conference, February 2002
- "*Digital Mapping Technologies for Government,*" South Carolina County Association Annual Conference, February 2001.
- "*Redistricting and Reprecincting for the 2001-2003 Elections,*" SC Association of Registration and Election Officials 27th Annual Legislative Conference, February 2001.
- "*Address Database Standards,*" South Carolina Mapping Advisory Committee Biannual Meeting, August 2000.
- "*Development of a Traffic Safety GIS,*" C.O.D.E.S. Project Annual Meeting, National Highway Traffic Safety Agency, June 2000.
- "*Mapping for Policy: Linking Health and Human Service Data and GIS to Improve Government Services,*" U.S. Department of Health and Human Services, 1999.
- *"GIS in Public Transit,"* South Carolina Department of Transportation Annual Meeting of Public Transit Providers, August 1999.
- "*Address-Matching and Geocoding in a GIS: How to get the Best Results,*" David Alexander. Southeast Regional Users Group of ESRI, 1998.
- *"GIS and Emergency Management,"* David Alexander and David Morrison. South Carolina Hurricane Conference, 1997.
- *"Address Matching, GIS, and Transportation,"* David Alexander. South Carolina Title XIX: Medicaid Conference, 1996.
- *"Address Matching Myths and Legends in South Carolina,"* Jack Maguire, Jonathan Fisk, and David Alexander. Biannual Meeting of the State Mapping Advisory Committee, 1996.