

Curriculum Vitae

Kevin C. Thomas, Ph.D.

Date: May 2014

Director, Healthcare Emergency Management Program
Co-director, Bioimaging Program
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ACADEMIC TRAINING:

2008	Ph.D., Public Policy	George Mason University, Fairfax, VA
1997	MBA, Marketing/Information Technology	George Mason University, Fairfax, VA
1996	Summer Study, European Union/Market	Saint Peters College, Oxford University
1987	B.S., Social Psychology	Park College, Parkville, MO

ACADEMIC APPOINTMENTS:

2014-	Principle Investigator	Human Neurobiology Laboratory funded by Pfizer Inc.
2012-	Co-director	Masters of Science in Bioimaging, Boston University School of Medicine, Department of Anatomy and Neurobiology
2008-	Executive Director	Consortium for Excellence in Healthcare Emergency Management, Cooperative Research and Development Agreement - Boston University School of Medicine, George Mason University, Tufts Medical Center, West Virginia University, and Yale University.
2007-	Director/ Assistant Professor	Masters of Science in Healthcare Emergency Management, Boston University School of Medicine, Department of Anatomy and Neurobiology
2005-2007	Assistant Professor	Occupational Development/Social Sciences Program Coordinator Blue Ridge Community and Technical College, Martinsburg, WV
2006-2007	Adjunct Faculty	Mountain State University, Martinsburg, WV
2005-2006	Adjunct Faculty	Axia College of Western International University
2005-2005	Interim Director	Center for High Consequence Events, George Mason University
2002-2004	Associate Director/ Research Associate Professor	Critical Infrastructure Protection Program, George Mason University School of Law
2002-2004	Adjunct Faculty	Montgomery College, Division of Humanities and Social Science

HONORS:

- 2011 CFA Educator of the Year Award, Boston University School of Medicine (nominated)
2007 Fisher Doctoral Award, George Mason University
1997 Magna Cum Laude, George Mason University

TEACHING EXPERIENCE AND RESPONSIBILITIES:

Course and Program Development:

- 2013- Boston University School of Medicine, Masters in Anatomy and Neurobiology, Vesalius Program, Educational Neuroscience Concentration
- Program developer and creator of 6 courses:
 - **Implications of Educational Neuroscience in Teaching:** Introduces educational practices with an emphasis on applications in educational neuroscience on teaching and the science of learning.
 - **Advanced Educational Neuroscience:** Explores how executive function allocates resources starting at the level of “highest” cortical function with focus on anatomy, and historical and modern experimental approaches to human cognitive investigations.
 - **Introduction to Educational Neuroscience:** Surveys cognitive neuroscience as it applies to teaching, learning, and policy decisions in education.
 - **Structured Practicum:** Applying learning theory to develop effective presentation skills, teaching methods, and evaluation and assessment tools to improve teaching efficacy.
 - **Designing Educational Neuroscience Research, Practicum and Thesis I:** Allows students to identify an area of educational process to perform research and design a practical teaching lab or learning research activity.
 - **Designing Educational Neuroscience Research, Practicum and Thesis II:** Students to perform a guided research activity focused on Teaching and Applying Educational Neuroscience practices in a Student Laboratory Exercise or performing basic science in an Educational Neuroscience Research Activity.
- 2013- Boston University School of Medicine, Masters in Bioimaging.
- Co-director of program and creator of 4 courses:
 - **Clinical and MR Pathophysiology:** Examines common pathologies in a variety of imaging techniques.
 - **Special Topics in Bioimaging, PET-CT:** Explores the theory, use, and benefits of Computed Tomography (CT) and Positron Emission Tomography (PET).
 - **Clinical Internships I:** Structured clinical internship course to provide students with clinical practice and patient management training.
 - **Clinical Internships II:** Structured clinical internship course to provide students with clinical practice and patient management training.
- 2007- Boston University School of Medicine, Masters in Healthcare Emergency Management
- Course director and creator of 10 courses:
 - **Ethical and Policy Issues in Health and Medical Services:** explores the

- complex issues surrounding ethical, legal, and policy issues concerning health and health care delivery under crisis conditions.
- **Experimental Design and Statistics for Emergency Managers:** explores various methods of experimental design and systems thinking applications for students to use in management and resource allocation modeling activities.
 - **Psychology and Sociology of Disaster Methods and Risk Communication:** surveys psychological and social factors affecting community and individual responses to disasters.
 - **Disaster Life Cycle:** examines health needs and health care delivery methods to prepare for, respond to, recover from, and mitigate impacts of crises.
 - **Physics of Natural and Man-made Hazards:** overview of physical, chemical, and biological aspects of man-made and natural hazards.
 - **Medical Consequences of Natural and Man-made Disasters:** overview of medical consequences of man-made and natural hazards.
 - **Community Health and Emergency Management:** explores the multiple concentrations of public health, focusing on epidemiology and environmental health.
 - **Methods and Practices of Incident Command:** examines command and control processes, including Incident and Unified Command Structures, under crisis and disaster management situations for health and medical services.
 - **Principles, Methods and Practices of Modeling and Simulation:** modeling and simulation with specific focus on applicability to biomedical health and medical services crisis management.
 - **Research Practicum and Thesis (1&2):** students perform a guided research activity focused on health care under crisis.
- Developed virtual classroom system

Lecture Instruction:

2013	<i>Special Topics in Bioimaging</i> , GMS IM 670, Boston University of School of Medicine, (5 students) (30 contact hours)
2012	<i>Special Topics in Anatomy</i> , GMS AN 804, Boston University School of Medicine, (8 students) (30 contact hours)
2011-2012	<i>Principles, Methods and Practices of Modeling and Simulation</i> , GMS BC 730, Boston University School of Medicine Healthcare Emergency Management Program, (10-15 students/yr) (45 contact hours/yr)
2010-2011	<i>Methods and Practices of Incident Command</i> , GMS BC 710, (10-15 students/yr) (45 contact hours/yr)
2010-	<i>Community Health and Emergency Management</i> , GMS BC 650, Boston University School of Medicine Healthcare Emergency Management Program, (10-20 students/yr) (45 credit hours/yr)
2010-2012	<i>Directed Studies</i> , GMS BC 692, Boston University School of Medicine Healthcare Emergency Management Program, (10-20 students/yr) (30 credit hours/yr)
2010-	<i>Research I</i> , GMS BC 971, Boston University School of Medicine Healthcare Emergency Management Program, (10-15 students/yr) (30 contact hours/yr)
2010-	<i>Research II</i> , GMS BC 972, Boston University Healthcare Emergency Management Program, (10-15 students/yr) (30 contact hours/yr)
2010-	<i>Medical Consequences of Natural and Man-made Hazard</i> , GMS BC 610, Boston University Healthcare Emergency Management Program, (10-20 students/yr)

- (45 contact hours/yr)
- 2009- *The Disaster Life Cycle*, GMS BC 700, Boston University School of Medicine Healthcare Emergency Management Program, (10-20 students/yr) (45 contact hours/yr)
- 2009 *Preparedness*, GMS BC 720, Boston University School of Medicine Healthcare Emergency Management Program, (3 Students) (45 contact hours)
- 2009- *Experimental Design and Statistics*, GMS BC 640, Boston University School of Medicine Healthcare Emergency Management Program, (10-15 students/yr) (30 contact hours/yr)
- 2008- *Psychology and Sociology of Disasters and Methods of Risk Communication*, GMS BC 620, Boston University School of Medicine Healthcare Emergency Management Program, (10-20 students/yr)(45 contact hours/yr)
- 2008- *Ethical and Policy Issues in Health and Medical Services Emergency Management*, GMS BC 630, Boston University School of Medicine Healthcare Emergency Management Program, (10-20 student/yr) (45 contact hours/yr)
- 2006-2007 *Philosophy*, Blue Ridge Community and Technical College. (25 students/yr) (45 contact hours/yr)
- 2006-2007 *Management and Entrepreneurship*, Mountain State University. (15 students/yr) (45 contact hours/yr)
- 2005-2007 *Sociology*, Blue Ridge Community and Technical College. (200 students/yr) (270 contact hours/yr)
- 2005-2007 *Macroeconomics*, Blue Ridge Community and Technical College. (20 students/yr) (45 contact hours/yr)
- 2005-2007 *Political Science*, Blue Ridge Community and Technical College. (60 students/yr) (90 contact hours/yr)
- 2005-2007 *Abnormal Psychology*, Blue Ridge Community and Technical College. (25 students/yr) (45 contact hours/yr)
- 2005-2006 *Cultural Diversity*, Axia College of Western International University. (25 students/yr) (45 contact hours/yr)
- 2005-2006 *Organizational Theory and Behavior*, Axia College of Western International University. (25 students/yr) (45 contact hours/yr)
- 2005-2006 *Critical Thinking, Supervision and Leadership*, Axia College of Western International University. (25 students/yr) (45 contact hours/yr)
- 2002-2004 *Sociology*, Montgomery College. (25 students/yr) (45 contact hours/yr)

Small Group Instruction:

- 1998 *Applied Econometrics*, George Mason University (5 students/yr) (30 contact hours/yr)

MAJOR MENTORING ACTIVITIES:

Master's Degree (M.A. and M.S.)

- 2013 Joshua Margulies, M.S., Masters of Science in Healthcare Emergency Management thesis: Evaluating medical usage rates for large scale events: Correlation of current predictive models to rap concerts
- 2013 Andrea Hefley, M.S., Masters of Science in Healthcare Emergency Management thesis: Use of therapy dogs after disaster
- 2013 David Silver, M.S., Masters of Science in Healthcare Emergency Management thesis: Applying the firefighting method to the Stractions emergency life cycle management system

- 2013 Nina Shaafi Kabiri, M.S., Masters of Science in Healthcare Emergency Management thesis: Psychophysiological differences between trained and naïve participants in triage classification
- 2013 Atheer Ossra, M.S., Masters of Science in Healthcare Emergency Management thesis: Protocols for evacuation of children from elementary schools during disaster
- 2013 Dung Nguyen, M.S., Masters of Science in Healthcare Emergency Management thesis: Guidelines for orphanages in disasters
- 2012 Sarah Loth, M.A., Masters of Arts in Anatomy and Neurobiology thesis: Difference between trained and naïve participants in triage classifications using gaze tracking
- 2012 Tori Jensen, M.S., Masters of Science in Healthcare Emergency Management thesis: Virtual exercise design
- 2012 Toni Bark, M.S. M.D., Masters in Healthcare Emergency Management thesis: Pilot study to investigate the use of SCENAR for anxiety symptom relief
- 2012 John Broderick, M.S., Masters in Healthcare Emergency Management thesis: A summary of completed practica developed by recent graduates of the BU Healthcare Emergency Management Program
- 2012 Tammy Pimentel Matthews, M.S., Masters in Healthcare Emergency Management thesis: Pilot study to investigate the use of SCENAR for anxiety symptom relief
- 2012 Nabil Tahan, M.S. M.P.H., Masters in Healthcare Emergency Management thesis: Translating disasters in Islam: Significance of translational and interpretive services during a disaster
- 2012 Farhan Alrwaili, M.S., Masters in Healthcare Emergency Management thesis: Triage during pilgrimage to Mecca during Ramadan
- 2012 Hala Ammar, M.D.,M.S., Masters in Healthcare Emergency Management thesis: Beta Testing of Triage Applications: Aiming to find Effective Triage Training Tools for non-medical personnel
- 2012 Samantha Beglinger, M.S., Masters in Healthcare Emergency Management thesis: Daycare Disaster Planning
- 2012 Maria Friday, M.S., Masters in Healthcare Emergency Management thesis: Daycare student census, tracking and management in Disaster
- 2012 Dickens Pierre-Louis, M.S., Masters in Healthcare Emergency Management thesis: Impact of mass casualty images on triage decisions and its effect on coherence signals in EEG while performing continuous performance testing
- 2012 Ivelt Boyer, M.D., M.S., Masters in Healthcare Emergency Management thesis: Impact of mass casualty images on triage decisions while performing continuous performance testing
- 2012 Chantal Geneus, M.D., M.S., Masters in Healthcare Emergency Management thesis: Implementing Psy-START Triage in Haiti's Disaster Response System
- 2012 Joseph Dellamura, M.S., Masters in Healthcare Emergency Management thesis: Mass Casualty Incident Emergency Operations Plan: Town of Southbury, Connecticut. Sponsor Agency: Southbury Ambulance Association
- 2012 Christian Geneus, M.S., Masters in Healthcare Emergency Management thesis: Tribute Team Management in Hospital Incident Command Systems
- 2012 Chanpreet Singh, M.S., Masters in Healthcare Emergency Management thesis: Nutritional Guide for Mass Feeding Shelters During an Emergency or Disaster
- 2012 Jacques Sanvil, M.S., Masters in Healthcare Emergency Management thesis: Catholic Churches in Haiti: Their use as a Shelter in case of a Disaster
- 2012 David Krikorian, M.S., Masters in Healthcare Emergency Management thesis: Public Private Partnerships and Continuity of Operations Planning
- 2012 Justin McCullen, M.S., Masters in Healthcare Emergency Management thesis: Designing classroom curriculum: A workbook for Experimental Design for Healthcare Emergency Managers

- 2012 Zachary Vella, M.S., Masters in Healthcare Emergency Management thesis: Technology in the Field, Helping or Hindering: A Cautionary Tale
- 2011 Greg Bond, M.S., Masters in Healthcare Emergency Management thesis: Developing a template for alternate care sites
- 2011 Asha Neptune, M.A., Masters of Arts in Medical Science thesis: Mechanism to control malaria epidemic in displaced persons and refugee camps
- 2011 Rachel Allgair, M.A., Masters of Arts in Medical Sciences thesis: Validation of mass gathering resource model
- 2011 John Burke, M.S., Masters in Healthcare Emergency Management thesis: Communications interoperability web based training
- 2011 Simon Chernack, M.S., Masters in Healthcare Emergency Management thesis: BUMC active shooter exercise: WebEOC and the creation of a CAT
- 2011 Jean Ford, M.S. M.D., Masters in Healthcare Emergency Management thesis: Vibrio cholera medical triage and treatment model for Haiti
- 2011 Chelsea Gray, M.S., Masters in Healthcare Emergency Management thesis: BUMC active shooter exercise: WebEOC and the creation of a Crisis Action Team
- 2011 Jeremiah Kunze, M.S., Masters in Healthcare Emergency Management thesis: A comparative analysis of the implementation of a hospital based tabletop exercise: Sturdy Wings
- 2011 Winnie Suen, M.S. M.D., Masters in Healthcare Emergency Management thesis: Identified knowledge and practice gaps leading to unmet needs of the homebound elderly prior to, during and following disasters
- 2010 Marwan Al Kaabi, M.D., M.S., Masters in Healthcare Emergency Management thesis: Guidelines for hospital bioterrorism preparedness in Abu Dhabi
- 2010 Thomas Evans, M.S., Masters in Healthcare Emergency Management thesis: Assessing exercise preparedness and response lessons learned, case of a water main break
- 2010 Laura Harwood, M.S., Masters in Healthcare Emergency Management thesis: Flu shot distribution for pandemic preparedness
- 2010 Travis Hengen, M.S., Masters in Healthcare Emergency Management thesis: Personnel electronic tracking during emergencies a demonstration of the necessity to improve the technology and use for children with autism
- 2010 Stephen Simon, M.S., Masters in Healthcare Emergency Management thesis: EMTALA: A Modern Day Tragedy of the Commons
- 2010 Ashlyn Tate, M.S., Masters in Healthcare Emergency Management thesis: Does a mixed message have an overall negative impact on the response and management of a pandemic?
- 2009 Ian Wallace, M.S., Masters of Science in Genetic Counseling thesis: availability, density and access to genetic counseling

OTHER PROFESSIONAL ACTIVITIES:

PROFESSIONAL SOCIETIES: MEMBERSHIPS, OFFICES, AND COMMITTEE ASSIGNMENTS:

- 2011- Board Member, National Defense Industry Association New England Chapter
- 1996-1997 President, George Mason University Masters of Business Administration Association and Founder/Chairperson, Washington DC Area MBA Association Consortium (Georgetown, George Washington University, University of Maryland, and George Mason University)

EDITORIAL BOARDS:

- 2009- Journal of World Medical and Health Policy

CURRENT SUPPORT:

Pfizer Inc, Human Neurobiology laboratory to perform neuropsychological, biometric, and neuroimaging studies while focusing on the Central Nervous System structure-function relationships with emphasis on neural networks, neural circuitry, and brain integrity. Specific areas of interest and technical study of human cognition and behavior include, but are not limited to: Components of executive function, memory, motivation, attention, and decision-making, 2014, **PI**, Total Support: \$1,535,932.

PAST OTHER SUPPORT:

National Capital Region Critical Infrastructure Vulnerability Assessment Project, Department of Homeland Security Urban Areas Security Initiative (UASI) Grant 03-TU-03; and Department Justice Office of Community Oriented Policing Services (COPS) Grant 2003CKWX0199, 2003-2005, **PI**, Total Support: \$3,000,000.

Critical Infrastructure Protection Project, National Institute of Standards, 2002-2005, Provided project oversight and grant administration for over 50 research activities and developed and taught courses conducted throughout a consortium of over 14 universities focusing on critical infrastructure (e.g., electrical distribution, telecommunications, banking, etc.) issues from multidisciplinary perspectives including law, policy and technologies. Total Support: \$20M Congressional Funding

National Infrastructure Simulation and Analysis Center (NISAC) Peer Review, Department of Homeland Security, 2003-2004, Lead USA Patriot Act 2001 effort to certify U.S. National Laboratories at Los Alamos and Sandia to perform work in Homeland Security, **PI**, Total Support: \$150,000.

PENDING OTHER SUPPORT:

Examining social, emotional and economic behaviors of relevance to aging, NIH PAR- 11- 336 (R21), 2012, **PI**, Total Support: \$275,000.

Artic Operations Enhancement Program, NSF 12-553, 2013-1014, **co-PI**, Total Support: \$232,952.

INVITED LECTURES, CONFERENCES, AND PRESENTATIONS:

1. **Speaker**, VIP GlobalNet, LLC, Fairfax, VA, March 2014. Spoke to some 70 academic and government experts in cyber security regarding Trends and Predictions in Cyber Security.
2. **Key note Speaker**, National Capital Special Operations Symposium, Ottawa, Canada, November 2012. Spoke to some 300 Police, Fire, and Paramedic Operators, Military personnel, Emergency Managers, Government Officials, and Private Sector Security Executives regarding The Need For Cross Discipline Awareness.
3. **Moderated**, National Center for Disaster Medicine and Public Health Conference The Disaster Workforce, September 19-20, 2011, Convened subject matter experts in various areas of disaster response for its Natural Disaster Health Workforce National Conference in Crystal City, Virginia.

The conference was held to supplement the Center's efforts on the Workforce Project, a landscape analysis of the nation's disaster workforce supporting Emergency Support Function-8 (ESF-8).

4. **Speaker**, International Crisis & Risk Communication Conference, University of Central Florida, Orlando, Florida, May 10-11, 2011, This conference served to facilitate an international dialogue about how to collectively understand, adapt and respond to the significant crisis communication challenges we face in the changed landscape of evolving social media and new communication technologies.
5. **Hosted Senior Scholar Seminar Emergency and Disaster Medicine**, Magen David Adom Israeli Ambulance Service- Ori Shaham, University School of Medicine, Boston, Massachusetts, April 6, 2011, BU Healthcare Emergency Management Program hosted Israeli paramedic, Ori Shaham, as a speaker for our Masters students. He spoke about his professional experiences with Magen David Adom and explained the way the nationalized Ambulance Service functions in the State of Israel.
6. **Facilitated in Support of Yale and U.S. Northern Command**, Coordinating Core Competencies for Medical Disaster Preparedness and Response Workshop A National Consultation Meeting, McLean, Virginia, March 23, 2011, The workshop focused on implementing core competencies for medical disaster preparedness and response. It was a function of the National Center for Disaster Medicine and Public Health, Federal Education and Training Interagency Group for Public Health and Medical Disaster Preparedness and Response, United States Northern Command and the Yale New Haven Center for Emergency Preparedness and Disaster Response.
7. **Hosted and Moderated**, Collaboration and Interoperability Workshop, Boston University School of Medicine, Boston, Massachusetts, March 18, 2011, This workshop convened stakeholders from Fire, EMS, Police, Public Health, Doctors, Nurses, Hospitals, and Government. The intent was to enhance the degree of collaboration between agencies critical to response with the tactical objectives of quality improvement in morbidity and mortality.
8. **Hosted and Moderated**, Insurability and Safety Workshop, Boston, Massachusetts, February 25, 2011, This workshop served as a follow-up to the Actuarial Model for School Safety Conference in August 2010. The workshop was convened to produce a functional and operational model to allow school systems and other insurable interests to realize tangible monetary savings in insurance premiums and/or self-insured risk pools through insurance policies and practices. These policies and practices include be risk mitigation mechanisms based on tools, technologies and trainings to provide enhanced safety and preparedness.
9. **Hosted Senior Scholar Seminar**, International Disaster Management and Medical Preparedness-Dr. Isaac Ashkenazi Boston University School of Medicine, December 7, 2010, BU Healthcare Emergency Management Program hosted Dr. Isaac Ashkenazi as a speaker for our Masters students. He spoke about his professional and academic experiences in international disaster management and leadership. He is considered one of the world's foremost experts in medical preparedness for complex emergencies and disasters.
10. **Co-Hosted and Moderated**, Resiliency Workshop, George Mason University, Arlington, Virginia, November 19, 2010, This workshop served as a follow-up to the Actuarial Model for School Safety Conference in August 2011 to focus in on community and school resiliency. As a function of the Consortium for Excellence in Healthcare Emergency Management, Boston University Healthcare Emergency Management Program co-hosted and moderated.

11. **Hosted and Moderated**, An Actuarial Model for School Safety Conference, Tufts Medical Center, Boston, Massachusetts, August 17, 2010, This one-day conference began discussions on the creation of a model where school systems can receive insurance premium reductions for exemplary emergency preparedness plans. Panelist and audience members were from school administration, insurance, public health, public safety, state and local government, emergency management and academics.
12. **Speaker**, Rebuilding Sustainable Communities with the Elderly and Disabled People after Disasters Center for Rebuilding Sustainable Communities after Disasters (CRSCAD), University of Massachusetts Boston, Boston, Massachusetts, July 12-15, 2010, presented abstract for the conference.
13. **Speaker**, InfoComm- Conferencing/Collaboration, Unified Communications and Telepresence, Las Vegas, Nevada, June 8, 2010, Invited to InfoComm (Informational Communications Marketplace) annual conference to present the Healthcare Emergency Management Program's successful use of video conferencing for the "virtual classroom".
14. **Co-Hosted and Moderated**, Communication Policies on Influenza Pandemic Preparedness and Evidence Base Knowledge Workshop, George Mason University, Arlington, Virginia, November 20, 2009, The Healthcare Emergency Management program sent two faculty members and two Masters students to this workshop, hosted by George Mason University. The Masters students presented papers, while the faculty served as moderators. Along with representatives from NASA, ISMR, Inova Health Systems and the CDC, our students participated in panel discussions and provided a critical paper on Mandating Vaccinations.
15. **Co-Hosted and Moderated**, Critical Facilities Decontamination Following Intentional Biological Exposure, George Mason University, Arlington, Virginia, November 3, 2008, The purpose of this workshop was to establish the adequacy of the scientific literature for the formulation of decontamination policies and standards for critical facilities after exposure to a biological agent (bioterrorism). As a function of the Consortium for Excellence in Healthcare Emergency Management, Boston University Healthcare Emergency Management Program co-hosted and moderated this workshop.
16. **Panel Member and Speaker**, Behavioral Studies in Crisis, West Virginia 3rd Annual Regional Disaster Preparedness and Evacuation Conference, June 2008, The conference, sponsored by the National Governors Association brings together emergency officials from the six states in the Mid-Atlantic Region (West Virginia, Virginia, Pennsylvania, Delaware, Maryland, and the District of Columbia) to share information and establish relationships that could prove beneficial at the time of a catastrophe.
17. **Acting Chair and Moderator**, Law and Policy Cluster Group, Institute for Information Infrastructure Protection (I3P), Law and Policy Research and Development Agenda Workshop, October 2004, The I3P, a federally sponsored program chaired and administered by Dartmouth College, is a consortium comprised of the United States National Laboratories, and some 40 United States Universities and Colleges. This organization is chartered to provide an annual research and development plan to the White House recommending short, medium and long-term research activities for information infrastructure protection.

18. **Conference Member**, New Methods of Work and Electronic Commerce Extended Products in Dynamic Enterprises EXPIDE (IST-1999-29105), May 2001, In partnership with the European Commission Project under the 5th Framework Information Societies Technologies (IST) Programme to explore and examine real-time analysis of strategic information that is extracted from enterprise systems.
19. **Speaker**, Knowledge Management Symposium, San Diego, CA, November 2000, Spoke to some 3000 Information Systems and Knowledge Management Professionals, addressing knowledge management processes and practices.
20. **Keynote speaker**, Department of the Navy Knowledge Fair Symposium, Washington, DC, August 2000, spoke to some 1500 Information Systems and Knowledge Management Professionals, addressing knowledge management processes and practices.
21. **Speaker**, George Mason University and the Delft University of Technology, December 1998, Presented paper to Joint Workshop on Infrastructure Convergence and Service Innovation: Transportation, Information and Communications Technologies and the Dynamics of Network Restructuring.

EXERCISES

1. **Lead Evaluator**, Operation Muffin Top, Chelsea, Massachusetts, September 28, 2011, BU Healthcare Emergency Management Program participated in Operation “Muffin Top”, a table top exercise planned and run by JJ Burke, BU HEM faculty. The scenario was a chemical spill at a local factory. Participants included Chelsea Fire Dept, Chelsea Police Dept, Chelsea EMS, Chelsea Public Health, Cataldo Ambulance Services and private companies
2. **Lead Evaluator**, MA Region III Hospital Table Top Exercise, Lawrence General Hospital, Lawrence, Massachusetts, May 19, 2011, Served as lead evaluator for a table top that included the 12 hospitals in Region III in a command and control drill. The exercise addressed the deployment and tracking of ChemPack and Ventilators in a disaster.
3. **Director**, Disaster Animal Response Team (DART) Drill, West Barnstable, Massachusetts, May 14, 2011, The Disaster Animal Response Team Drill exercised animal care and shelter in a disaster.
4. **Director**, Reintegration Exercise, Boston Medical Center, Boston, Massachusetts, May 13, 2011, The exercise tested the ability of Boston Medical Center Incident Command Team to recover from an incident of significance. Introduced new concepts in recovery operations.
5. **Lead Evaluator**, Patriot Guard Exercise, Sandwich, Massachusetts, May 5, 2011, The Massachusetts National Guard in conjunction with local, state and federal agencies and the Boston University Healthcare Emergency Management Program conducted a Homeland Security training exercises in the vicinity of the Sandwich power station and Sandwich Boat Basin. The training event involved joint training opportunities for multiple agencies including the National Guard, US Coast Guard, Town of Sandwich Emergency Management, FBI, FEMA Urban Search and Rescue (MA-Task Force 1), US Army Corp of Engineers and other local agencies. The exercise was used to test the homeland security response capability of the federal government to a CBRNE incident.

6. **Lead Evaluator and Director**, WebEOC[®] Evaluation and Training, Boston University, Boston, Massachusetts, December 2010, BU Healthcare Emergency Management Program collaborated with Boston University School of Medicine Crisis Action Team (CAT) and Boston University Emergency Preparedness Coordinator to train staff and faculty at Boston University School of Medicine on the use of WebEOC[®].
7. **Lead Evaluator and Director**, H1N1 and Seasonal Influenza Mass Prophylaxis Clinic, Burlington, Massachusetts, November 20, 2010, BU Healthcare Emergency Management Masters Program served as evaluators for the town of Burlington for the second year at their Mass Prophylaxis Clinic. BU Healthcare Emergency Management provided the Town of Burlington with a written After Action Report based on their evaluations, as well as raw video footage taken throughout the clinic.
8. **Participant/Evaluator**, Active Shooter Table Top Exercise, Boston University, Boston, Massachusetts, November 17, 2010, The Table Top was hosted by Boston University Emergency Preparedness Coordinator. BU Healthcare Emergency Management faculty and Masters students participated in the Active Shooter Table Top with Boston University Administration, Public Safety and Public Health.
9. **Exercise Director**, Active Shooter Drill and Fire Interoperability Drill, Argenziano School, Somerville, Massachusetts, September 29, 2010, The Healthcare Emergency Management Program partnered with 3 private companies and Somerville Police and Fire Departments to run the active shooter drill and fire interoperability drill at The Argenziano School. Healthcare Emergency Management Program students actively participated in all stages of the exercise.
10. **Exercise Director**, Active Shooter Drill, Bakst Auditorium, Boston University School of Medicine, Boston, Massachusetts, September 28, 2010, The Healthcare Emergency Management Program partnered with 3 private companies and Boston University Police to run the active shooter drill at Boston University School of Medicine. Healthcare Emergency Management Program students actively participated in all stages of the exercise. Footage of the drill was covered on local news and a story was printed in The Boston Globe.
11. **Senior Evaluator**, Rehabilitation Hospital of the Cape and Islands Evacuation Full-Scale Exercise Sandwich, Massachusetts, July 21, 2010, The Healthcare Emergency Management Program participated in a full-scale evacuation exercise run by The Rehabilitation Hospital of the Cape and Islands, which has beds for as many as 60 patients, and Sandwich Fire Department. As part of this exercise, the hospital was successfully operated on emergency power for 60 minutes and subsequently restored to normal power.
12. **Senior Evaluator**, School Evacuation Full-Scale Exercise, Sandwich, Massachusetts, June 9, 2010, This exercise was conducted with the Sandwich Fire Department in collaboration with Outerlink Corporation and The BU Healthcare Emergency Management Program. The students who were evacuated were children with Autism and other mental and physical disabilities. Outerlink Corporation provided a locating device that was tested on the children. Healthcare Emergency Management Masters Program participated in all stages of the exercise.
13. **Lead Evaluator**, H1N1 and Seasonal Influenza Mass Prophylaxis Clinic, Burlington, Massachusetts, November 14, 2009, Lead evaluator, with BU Healthcare Emergency Management Masters students, for the town of Burlington at their Mass Prophylaxis Clinic. BU Healthcare Emergency Management also provided the Town of Burlington with a “video hotwash” immediately following the clinic, a written After Action Report, and a full-length video After Action Report.

14. **Lead Evaluator**, 167th Airlift Wing Anthrax Exercise, Martinsburg, West Virginia, January 2009, Lead evaluator for a multi-hospital and county response exercise involving Anthrax outbreak from a medical airlift. Exercise involved coordinating federal, state and local officials including FBI West Virginia Weapons of Mass Destruction Joint Tactical Task Force (WV JTTF), borders and customs, two regional hospitals, state public health, Medical Reserve Corps (MRC), EMS and Army National Guard 35th Civil Support Team (35th CST).
15. **Lead Evaluator**, Drive-Thru Mass Prophylaxis Clinic, Sandwich, Massachusetts, November 16, 2008, The clinic was run by the Sandwich Fire Department and the town of Sandwich, MA and the Massachusetts National Guard. Served as lead evaluator for this exercise.
16. **Unified Command Representative**, Boston Medical Center and BU Medical Center Pandemic Influenza Table Top, Boston, Massachusetts, July 2008, The Pandemic Table Top convened Boston University, Boston Medical Center (BMC), Boston Public Health Commission (BPHC), Boston EMS, private ambulance services, Massachusetts Bay Transportation Authority (MBTA) and the Conference of Boston Teaching Hospitals (COBTH). The group discussed the relationship between the agencies and BMC, as well as the function of BUMC in support of BMC in pandemic response. The Incident Command System (ICS) and Unified Command were tested. Represented BUMC in unified command and support overall.
17. **Evaluator**, Mass Casualty Dirty Bomb Exercise, Martinsburg, West Virginia, June 2008, The Mass Casualty Dirty Bomb Exercise was an international exercise sponsored by DHS. It was conducted with the Canadian Weapons of Mass Destruction (WMD) Response Team and West Virginia

ORIGINAL, PEER REVIEWED ARTICLES:

1. **Thomas, K**, Burke, J., Winter, E., “Hurricane Irene: Here, Gone and Back Again.” Journal of Homeland Security Education, Winter 2012
2. Nicogossian, Arnauld; Kloiber, Otmar; Zimmerman, Thomas; Stabile, Bonnie; **Thomas, Kevin**. “Poverty, Disparities, Disasters and Global Burden of Disease.” World Medical & Health Policy 4.1.1, 2012.
3. Nicogossian, Arnauld; Zimmerman, Thomas; Addo-Ayensu, Gloria; **Thomas, Kevin**; Kreps, Gary L.; Ebadirad, Nelya; and Gautam, Sulava. “The Use of U.S. Academic Institutions in Community Medical Disaster Recovery.” World Medical & Health Policy 3.1.3 2011.
4. **Thomas, Kevin**; Bergethon, Peter R.; and Reimer, Matthew. “Interoperability for First Responders and Emergency Management: Definition, Need and the Path Forward.” World Medical & Health Policy 2.3.15. 2010.
5. **Thomas, K.** and Hallock, K. “Healthcare Community Emergency Management and Community Resiliency Through Collaboration”, Journal of World Medical and Health Policy, The Berkeley Electronic Press, Berkeley, CA 94705, 2009

CASE REPORTS, REVIEWS, CHAPTERS AND EDITORIALS

Books and Book Chapters:

1. **Thomas, Kevin** and Suen, Winnie. "Methods for Assessing and Developing Understanding of Resiliency in Communities," in Awotona, Adenrele (ed.). *Rebuilding Sustainable Communities with Vulnerable Populations after the Cameras Have Gone: A worldwide study*. Cambridge Scholars Publishing: UK, 2012
2. **Thomas, K.** and Bergethon, P. "The Need for Cross Discipline Awareness and Interoperability in the First Responder and Emergency Management Communities", Proceedings of Cornwallis XIII: Analysis in Support of Policy, 2009, The Pearson Peacekeeping Center, Ottawa, CA. Editors A. E. R. Woodcock and David Davis
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3. Nicogossian, A. and **Thomas, K.** "Bioterrorism Decontamination A Critical Review of the Literature" May 4, 2009 Center for the Study of International Medical Policies and Practices School of Public Policy George Mason University

4. Nicogossian, A. and **Thomas, K.** “Communicating Evidence on Influenza & Vaccination: A Critical Review of the Literature” December, 2009 Center for the Study of International Medical Policies and Practices School of Public Policy George Mason University
5. Singer, L and **Thomas, K.** “Medical Security in Disaster White Paper For Senate Committee on Homeland Security and Governmental Affairs” Boston University School of Medicine 10 October 2008.
6. **Thomas, Kevin**, “Resistance to Wireless Telecommunication Antenna Siting: A Case study of Regulatory Policy and Community Intervention”, September 2007
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8. Hill, Christopher T.; LaPorte, Todd M.; **Thomas, Kevin**; and Adams, Douglass S. “Assessing National Infrastructure Protection: A Review of the National Infrastructure Simulation and Analysis Center (NISAC),” report to the United States Department of Homeland Security. School of Law, George Mason University. 2003: 63 pages.
9. **Thomas, Kevin**, “Ready for Sea, the New Construction Process” *Navy Supply Corps Newsletter* (April 1996)
10. **Thomas, Kevin**, *Data Quality Engineering Processes* Boeing Corporation Technical Report to the Secretary of the Air Force, 1996

SIGNIFICANT MILITARY LEADERSHIP AND WORK EXPERIENCE

Logistics/Budget Officer and Command, Control, Communications, Computers and Intelligence (C4I) Analyst

Principal Military Staff of the Secretary of the Navy

May 1996 – January 2002

Logistics/Budget Officer and C4I Analyst in the Office of Program Appraisal on the personal principal military staff of the Secretary of the Navy. Directly assisted the Secretary of the Navy in developing Information Technology (IT) policy and acquisition strategies for the entire Department of the Navy, resulting in largest single IT services contract awarded in a public setting. Responsible for assisting in the preparation of the annual Department of the Navy Budget Guidance Memorandum, the Department of the Navy Planned Objectives Memorandum (POM), and support on all issues relating to Department of the Navy Acquisition, C4I assessment, Budget, and Logistics matters. Provided technical support for Information Technology, Computer Systems, Critical Infrastructure Protection, and Defense Reform.

Graduate Research Assistant, George Mason University

Fall 1996 – Spring 1998

Developed a comprehensive Memorandum of Understanding between the Boeing Corporation and George Mason University establishing an internship program for Graduate management, business and information systems students. Performed an independent survey assessment of some 250 students enrolled in the George Mason University, Graduate Business Institute and Masters in Business Administration program to determine student preferences, internship and work experience achievement, and curriculum effectiveness. Presented to Board of Representatives of George Mason University, chaired by former Attorney General Mr. Ed Meese. Assisted in developing a cost benefit analysis of extended use of MEDICARE/Medicaid in purchasing anti-rejection drugs for kidney patients beyond fifth year after transplant.

Systems Engineer, Boeing Information Service

May 1996 – November 1996

Assisted in the development of a comprehensive Technical Report and Industry evaluation of Data Quality Engineering Processes and Systems. Acted as a key team member in producing a proposed parameters and requirements definition of a full spectrum Data Quality Engineering Process, a new technology prototyping effort. Utilized statistical analysis models and techniques in process management theory to propose this comprehensive new process.

Requirements / Management Information Systems Security Officer

Oct 1993 – September 1995

Supervised 9 personnel. Responsible for determining accession, training and promotion requirements for the entire Supply Corps community of 3500 personnel. Utilized statistical analysis models to determine annual accessions, and promotion opportunity. Acted as action officer in reviewing external and internal environment impact of economy and political situation on community needs. Produced briefings for senior executives on community changes. Researched and determined all necessary system procurements and upgrades for installation of Local Area Network. Coordinated two subcontractors and interfaced with three separate directorates to ensure system compatibility. Directed the installation of a two server 50-user LAN with multiple external system interfaces.

Department Head - Supply Department and Public Affairs Officer

USS ANNAPOLIS (SSN 760)

July 1990 – October 1993

Supervised 30 military and 300 civilian personnel. Responsible for configuration management of 10,000 installed equipments during new construction process of USS ANNAPOLIS (SSN 760). Established sparing requirements for installed equipments. Initially loaded all habitability and food service operation material and established food service operation onboard. As Public Affairs Officer supervised 2 personnel and responsible for handling all press related functions for a new construction

688 class submarine. Wrote press releases pertaining to ship's functions and personnel. Coordinated all fund raising and liaison with ship's sponsor city, Annapolis, Maryland.

Submarine Officer Basic Course, New London, Connecticut **April 1990 – July 1990**

Four-month course of study focused on submarine operation and design, including ship characteristics, equipment operation, ship handling, submarine warfare techniques, and weapon employment

Action Officer, Navy Supply Corps **Oct 1989 – April 1990**

Responsible for preparing and presenting reports and briefings for projected manning and personnel needs for Navy Supply Corps personnel manning requirements for year 2010.

Navy Supply Corps School, Athens, Georgia **Apr 1989 – October 1989**

Six-month course focused on supply and logistics management. Studies included: Congressional budget process, material management, payroll management, and food service management

Officer Candidate School **Oct 1988 – April 1989**

Four-month officer indoctrination course focused on engineering, navigation, weapons systems operation, and ship handling

Assistant, Enlisted Community Manager U. S. Submarine Force **Oct 1984 – October 1988**

Supervised 6 personnel. Assisted in determining accession, training, bonus payments, and promotion requirements for 15 separate enlisted ratings, some 50,000 personnel. Utilized statistical analysis models to determine annual accessions, training, bonus payments, and promotion requirements.

Ships Yeoman, USS WILL ROGERS (SSBN 659) **Oct 1980 – October 1984**

Supervised 2 personnel. Administrative personnel officer for a 150 man crew, responsible for personnel and pay records, outgoing correspondence, and routine administrative reports.

MEDALS AND HONORS

Awarded Meritorious Service Medal (2 awards), Navy Commendation Medal (2 awards), Navy Achievement Medal (2 awards), Good Conduct Medal (2 awards), Top Secret Clearance

COMMUNITY INVOLVEMENT

2003- Member American Legion, Post 171
1994-1995 Chairman, Falls Church Finance Committee, Falls Church, Virginia