

## Curriculum Vitae

Kevin C. Thomas, Ph.D.

Date: August 2017

Director and Principal Investigator, Laboratory for Human Neurobiology  
Director, Healthcare Emergency Management Program  
Co-director, Bioimaging Program  
Department of Anatomy and Neurobiology  
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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

## DEPARTMENTAL AND UNIVERSITY COMMITTEES:

- 2016- Member, Faculty Compensation Committee, Graduate Medical Sciences Division, Boston University School of Medicine
- 2016- Member, Admissions Oversight Committee, Graduate Medical Sciences Division, Boston University School of Medicine
- 2015-2016 Self-study Task Force, Department of Anatomy and Neurobiology, Boston University School of Medicine
- 2014- Admissions Committee, Masters of Science in Bioimaging, Boston University School of Medicine
- 2007- Admissions Committee, Masters of Science in Healthcare Emergency Management, Boston University School of Medicine

## 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 multiple aspects 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

Course Director:

2017- Present	Sectional Anatomy for Imaging Professionals, Boston University School of Medicine
2016- Present	Bioimaging Professional Development, Boston University School of Medicine
2016- 2017	Statistical Analysis of Neuroimaging Data, Boston University School of Medicine
2015- Present	Bioimaging Foundations, Boston University School of Medicine
2007- Present	Ethics, Law and Policy of Emergency Management, Boston University School of Medicine
2007- 2008	Experimental Design and Statistical Methods, Boston University School of Medicine
2007- 2010	Principles, Methods, and Practices of Modeling and Simulation, Boston University School of Medicine
2007- 2010	Medical Consequences of Natural and Man-made Hazards, Boston University School of Medicine
2007- 2014	Psychology and Sociology of Disasters and Methods of Risk Communication, Boston University School of Medicine

2007- 2015	Experimental Design and Statistics, Boston University School of Medicine
2007- 2012	Community Health and Emergency Management, Boston University School of Medicine
2007- 2013	The Disaster Lifecycle, Boston University School of Medicine
2007- 2013	Methods and Practices of Incident Command, Boston University School of Medicine
2007- 2011	Biology, Chemistry and Physics of Natural and Man-made Hazards, Boston University School of Medicine

#### **MAJOR MENTORING ACTIVITIES:**

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

- 2017 Zainab Al Rebh M.S., Masters of Science in Healthcare Emergency Management Thesis: Hospital Infectious Disease Plans in Saudi Arabia
- 2017 Reham Barghash, M.S., Masters of Science in Bioimaging Thesis: The efficacy of MRT T2 Weighted Image in Predicting Brain Tumor Pathology, Cellularity, and Grade
- 2017 Nicholas Bosch M.S., Masters of Science in Healthcare Emergency Management Thesis: The Role of Emergency Management During Mass Gatherings
- 2017 John Caccaviello M.S., Masters of Science in Anatomy & Neurobiology Thesis: The Effects of Risperidone on the Vestibular System of Healthy Volunteers as Assessed by Dynamic Computed Posturography
- 2017 Harrison Co, M.S., Masters of Science in Bioimaging Thesis: Use of Dielectric Materials to Improve Signal Halogenating in Metal Articafting
- 2017 Carl Cowan, M.S., Masters of Science in Healthcare Emergency Management Thesis: Cultural Considerations for U.S. Emergency Responders Abroad
- 2017 Kevin Dugan, M.S., Masters of Science in Healthcare Emergency Management Thesis: Integration of Medical Waste Management Specialist Role into the Hospital Incident Command System (HICS)
- 2017 Joseph Josué Eager, M.S., Masters of Science in Bioimaging Thesis: Magnetic Resonance Imaging (MRI) with Contrast Pre-arrival Renal Function Lab Documentation Requirement
- 2017 Marshall Estlund, M.S., Masters of Science in Bioimaging Thesis: Practicality of Using Virtual Realty for Training Magnetic Resonance (MR) Personnel
- 2017 Ghadah Felmban, M.S., Masters of Science in Bioimaging Thesis: Effective Appointment Reminder System to Reduce Non Attendance of Patients in Radiology Department
- 2017 Yong Jie Charlton Foo, M.S., Masters of Science in Bioimaging Thesis: A System Engineering Approach to Optimize Magnetic Resonance Imaging (MRI) operations and Workflow in a Radiology Department
- 2017 Aaron Gettinger M.S., Masters of Science in Healthcare Emergency Management Thesis: Utilizing Advanced EMTs in the Urban Tiered Response EMS System
- 2017 Ali Ghuma, M.S., Masters of Science in Bioimaging Thesis: Development of an Abdominal Trauma Imaging Algorithm
- 2017 Faoz Hashm, M.S., Masters of Science in Bioimaging Thesis: Breast Tumor size at First Presentation in Haitian Breast Cancer Patients Treated in a Large US Safety Net Hospital: Initial Results
- 2017 Ryan Kavanaugh M.S., Masters of Science in Bioimaging Thesis: Magnetic Resonance Imaging (MRI) Quantification of Liver Fat
- 2017 Laura Klein M.S., Masters of Science in Healthcare Emergency Management Thesis: Natural Disaster Risk Reduction for Individuals with Diabetes Through a Smartphone Application

- 2017 Chelsey Louis M.S., Masters of Science in Bioimaging Thesis: Test-Retest Reliability of Brain Activation Using the Face-Name Paired-Associates fMRI Task in Patients with Schizophrenia and Healthy Controls
- 2017 Mihelea Maier M.S., Masters of Science in Bioimaging Thesis: Magnetization Transfer Effect on T1 Relaxometry on 1.5 vs. 3T
- 2017 Sean Murray, M.S., Masters of Science in Healthcare Emergency Management Thesis: Faith-based and Neighborhood Partnerships
- 2017 Nathan Oh, M.S., Masters of Science in Bioimaging Thesis: Ultrasound Sonographic Findings for Pseudoangiomatous Stromal Hyperplasia
- 2017 Heather Ouellette, M.S., Masters of Science in Healthcare Emergency Management Thesis: Nationally Emerging Electronic Medical Records
- 2017 Gregory Porretto, M.S., Masters of Science in Healthcare Emergency Management Thesis: Small Unmanned Aerial Systems Fire & Rescue Services Application: Practical Research Guide for the Town of Sandwich, Massachusetts Fire Department
- 2017 Robin Reinke, M.S., Masters of Science in Healthcare Emergency Management Thesis: Regulated Medical Waste
- 2017 Sage Weikel, M.S., Masters of Science in Healthcare Emergency Management Thesis: How Airports Can Mitigate Closures Due to Gun Violence or Perceived Gun Violence
- 2017 Heather Zainewski, M.S., Masters of Science in Bioimaging Thesis: Analysis of Magnetic Resonance Imaging (MRI) Safety Protocols during Routine MRI Scans of Incarcerated Patients
- 2016 Rachid Akiki, M.S., Masters of Science in Bioimaging Thesis: Vascular Smooth Muscle Sirtuin - 1 Protects Against Aortic Dissection during Angiotensin-II Induced Hypertension
- 2016 Abdulmajed Alotaibi M.S., Masters of Science in Bioimaging Thesis: Treatment Planning Study of Cyberknife Prostate SBRT (Stereotactic Body Radiation Therapy) Using CT-Based vs. MRI Based Prostate Volumes
- 2016 Meshari Alshammari M.S., Masters of Science in Bioimaging Thesis: Treatment Planning and Dosimetric Verification of Cyberknife Prostate SBRT (Stereotactic Body Radiation Therapy) on an MR-Based 3D Prostate Model Imaging Insert in a Pelvis Phantom
- 2016 Caleb Anderson M.S., Masters of Science in Healthcare Emergency Management Thesis: Collegiate Athletics Emergency Action Plan: Travel Plan Annex
- 2016 Duaa Banaja M.S., Masters of Science in Bioimaging Thesis: Improved Detection and Characterization of Obscured Central Gland Tumors of the Prostate: Texture Analysis of Non-Contrast and Contrast Enhanced MR Images for Differentiation of Benign Prostate Hyperplasia (BPH) Nodules and Cancer
- 2016 Tamara Barboza M.S., Masters of Science in Healthcare Emergency Management Thesis: Specialized Backpack Project for Forestdale Elementary School in Sandwich Massachusetts
- 2016 Molly Barlow M.S., Masters of Science in Healthcare Emergency Management Thesis: Analysis of Graduate Placement Employment for Masters of Science and Healthcare Emergency Management
- 2016 Grayson Baum M.S., Masters of Science in Bioimaging Thesis: Increasing Scanning Proficiency via Magnetic Resonance Imaging (MRI) Protocol Documentation and Standardization
- 2016 Ntaribo Bertrand M.S., Masters of Science in Bioimaging Thesis: Thesis Emergency Diagnostic Trauma Imaging of Pregnant Patients
- 2016 Michael Cisneros M.S., Masters of Science in Bioimaging Thesis: Formulating a Script for a Magnetic Resonance Imaging (MRI) Instructional Video that Positively Effects the MRI scanning process
- 2016 Erin Deluca M.S., Masters of Science in Healthcare Emergency Management Thesis: Creating an Emergency Management Abroad Video Training Course for Boston University

- 2016 Craig Dethridge M.S., Masters of Science in Bioimaging Thesis: A Validation of Mobile Sensing Actigraphy Devices for Generating a Biomechanical Model of Posture
- 2016 Junior Erase M.S., Masters of Science in Healthcare Emergency Management Thesis: Global Support Program for Boston University
- 2016 Hebah Falatah M.S., Masters of Science in Bioimaging Thesis: Audio Alarm for the Magnetic Resonance Imaging (MRI) Suite
- 2016 Sean Fay M.S., Masters of Science in Healthcare Emergency Management Thesis: Mercy Lift Project
- 2016 Joseph Fritz M.S., Masters of Science in Healthcare Emergency Management Thesis: Tourism Emergency Management Plan for the Town of Rockport Massachusetts
- 2016 Cara Henriksen M.S., Masters of Science in Bioimaging Thesis: Update and Translate Magnetic Resonance Imaging (MRI) Checklists
- 2016 Katheryn Lhota M.S., Masters of Science in Healthcare Emergency Management Thesis: Response to a Nora Virus Outbreak on Nantucket Island
- 2016 Mikhail Naumov M.S., Masters of Science in Bioimaging Thesis: Observable fMRI Signals Useful with Placebo Effects
- 2016 Aria Nazeri M.S., Masters of Science in Bioimaging Thesis: Gray Matter Structural Correlates of Fatigue in Multiple Sclerosis
- 2016 Alexandria Nutt M.S., Masters of Science in Healthcare Emergency Management Thesis: Boston University School of Medicine: Continuity of Operations Plan Project
- 2016 Kristin Oberlander M.S., Masters of Science in Healthcare Emergency Management Thesis: Boston University Public Safety: Critical Incident Stress Debriefing
- 2016 Jillian Ojeda M.S., Masters of Science in Healthcare Emergency Management Thesis: A Dedicated Emergency Manger for Institutions of Higher Education; Increase Need in Small Schools and Community Colleges
- 2016 Timothy Pagliaro M.S., Masters of Science in Bioimaging Thesis: Impedence Cardiograph Gating for Non-Contrast Enhanced Magnetic Resonance Angiography (NCE-MRA) Optimization
- 2016 Sean Rausch M.S., Masters of Science in Healthcare Emergency Management Thesis: Implementation of the Sterilis Waste Management Machine Use and Training Protocol at the Sandwich Massachusetts Fire Department
- 2016 Ney Seif M.S., Masters of Science in Healthcare Emergency Management Thesis: Healthcare Emergency Management During Waste Crisis
- 2016 Jeffery Sills M.S., Masters of Science in Healthcare Emergency Management Thesis: Implantation of Liaison Officer Training for the Army National Guard
- 2016 Jonathan Silva M.S., Masters of Science in Healthcare Emergency Management Thesis: A White Paper on Cyber Security Incident Command Systems
- 2016 Cheryl Snyder M.S., Masters of Science in Healthcare Emergency Management Thesis: People and Pets: Issues Obstructing Integration of Emergency Strategies for Pets and their Owners
- 2016 Nancy Tsang M.S., Masters of Science in Healthcare Emergency Management Thesis: Boston University School of Medicine: Continuity of Operations Plan Project
- 2016 Emily Wilson M.S., Masters of Science in Bioimaging Thesis: A review of the Magnetic Resonance Imaging (MRI) Safety Policies for Metal Detection and Patient Prescreening for the MRI Suite
- 2016 Bingqxue Xhai M.S., Masters of Science in Bioimaging Thesis: Relative Humidity Level Related to Patient Care and Imaging Quality Control in 1.5/3T MRI Examinations
- 2016 Ziwen Zhu M.S., Masters of Science in Bioimaging Thesis: Magnetic Resonance Imaging (MRI) and Computed Tomography (CT) Based Volume Comparison for Prostate

- 2015 Timothy Anastas M.S., Masters of Science in Healthcare Emergency Management Thesis: The Use of Lights and Sirens in EMS
- 2015 Christine Bula M.S., Masters of Science in Bioimaging Thesis: Recommendation for Obtaining Serum Creatinine Levels on Patients Receiving Gadolinium Based Contrast
- 2015 Johnathan Cardona M.S., MBI Thesis; Vascular Imaging; Non-Contrast Peripheral Magnetic Resonance Angiogram (MRA)
- 2015 Qian Cheng M.S., Masters of Science in Bioimaging Thesis: Investigation and Suggestion for Pre-preparation at the Magnetic Resonance Imaging (MRI) Gram
- 2015 Teija Course M.S., Masters of Science in Healthcare Emergency Management Thesis: Using Ebola as a Lens to Examine Medical Waste Sterilization
- 2015 James Fahey M.S., Masters of Science in Healthcare Emergency Management Thesis: Tabletop and Functional Exercises for New Operating Room Communication Devices
- 2015 Chelsea Firth M.S., Masters of Science in Healthcare Emergency Management Thesis: Toxicology Hotline for Government Service Animals
- 2015 John Garziano M.S., Masters of Science in Healthcare Emergency Management Thesis: Proper Utilization of Helicopter EMS in Disaster Response
- 2015 Oscar Gonzalez M.S., Masters of Science in Bioimaging Thesis: Program Development of Masters of Science in Bioimaging Nuclear Medicine Clinical Track
- 2015 Kyle Green M.S., Masters of Science in Bioimaging Thesis: Evaluation of Half Scanning as an Appropriate Patient Scanning Parameter
- 2015 Nasi Huang M.S., Masters of Science in Healthcare Emergency Management Thesis: Emergency Management Practice in China
- 2015 Cody Jensen M.S., Masters of Science in Healthcare Emergency Management Thesis: Active Shooter Awareness Training
- 2015 Clifford Kitto M.S., Masters of Science in Healthcare Emergency Management Thesis: A Case Study in Ebola and “Ad Hoc” Disaster Relief
- 2015 Robert Krupa M.S., Masters of Science in Healthcare Emergency Management Thesis: Hospital Emergency Response Team at Massachusetts General Hospital
- 2015 Taha Masri M.S., Masters of Science in Healthcare Emergency Management Thesis: Saudi Crisis and Emergency Management Authority
- 2015 Alfonso Mazariegos M.S., Masters of Science in Bioimaging Thesis: Possible Hearing Loss of Magnetic Resonance Imaging (MRI) Technician: An Analysis for Safety Measures in the MRI Field
- 2015 Daniel Meachum M.S., Masters of Science in Healthcare Emergency Management Thesis: Improving Health Security Through Medical Intelligence and Analytical Outreach: Recommendations for State and Local Intel Units.
- 2015 Nomai Mukhtar M.S., Masters of Science in Healthcare Emergency Management Thesis: Saudi Crisis and Emergency Management Authority
- 2015 Kelly Pham M.S., Masters of Science in Bioimaging Thesis: Emergency Preparedness in the Magnetic Resonance Imaging (MRI) Department
- 2015 Dario Rivadeneira M.S., Masters of Science in Healthcare Emergency Management Thesis: Implementation of EM in Local Governments in Ecuador development of Resilient Communities
- 2015 Bruno Silva M.S., Masters of Science in Healthcare Emergency Management Thesis: Disaster Planning for Azores Portugal
- 2015 Christian Soto M.S., Masters of Science in Bioimaging Thesis: Utilization of MR Tech Response in the Event of a Disaster
- 2015 Kevin Sundt M.S., Masters of Science in Bioimaging Thesis: A Comparative of Two Contrast Agents Based on Scan Acquisition Time, Qualitative Assessment and of Side Effects

- 2015 Mark Torosian M.S., Masters of Science in Bioimaging Thesis: Optimizing Throughput of Patients to Increase Hospital Profits and Patient Experience.
- 2015 Mei-hua Tsai M.S., Masters of Science in Bioimaging Thesis: Shimming of Breast Images
- 2015 Kevin Wickersham M.S., Masters of Science in Healthcare Emergency Management Thesis: Inter-Hospital Patient Transfers within the Radiological Treatment Network due to Disasters
- 2014 Samuel Arsault M.S., Masters of Science in Healthcare Emergency Management Thesis: Massachusetts Department of Public Health Emergency Preparedness, Education and Training Center Grant Proposal
- 2014 Chengli Chu M.S., Masters of Science in Healthcare Emergency Management Thesis: Freedom of Information Revolution in Emergencies in China
- 2014 Scott Dabell M.S., Masters of Science in Healthcare Emergency Management Thesis: Incorporating the Boy Scouts of America into Disaster Management
- 2014 Brent Hamula M.S., Masters of Science in Healthcare Emergency Management Thesis: Medical Triage for the Boston Marathon Bombing
- 2014 Johnathan Hartenbaum M.S., Masters of Science in Healthcare Emergency Management Thesis: The Safety Pal Personal Protection Kit
- 2014 Daniel Lawlor M.S., Masters of Science in Healthcare Emergency Management Thesis: Boston University Medical Center (BUMC) Department of Public Safety (DPS) Hazmat Preparedness Training Program
- 2014 Matthew Marotta M.S., Masters of Science in Healthcare Emergency Management Thesis: Boston University Medical Center (BUMC) Department of Public Safety (DPS) Hazmat Preparedness Training Program
- 2014 Doniella McKoy M.S., Masters of Science in Healthcare Emergency Management Thesis: Emergency Management Training for Households
- 2014 Christine Nickerson M.S., Masters of Science in Healthcare Emergency Management Thesis: Fortifying Classroom Doors for Protection
- 2014 Dan Wieland M.S., Masters of Science in Healthcare Emergency Management Thesis: Public Health Infectious Disease Exercise
- 2014 Xingzi Zhang M.S., Masters of Science in Healthcare Emergency Management Thesis: Patient-Doctor Dispute in Current Chinese Emergency Rescue
- 2014 YiYing Zhang M.S., Masters of Science in Healthcare Emergency Management Thesis: The Role of Social Media in Different Disasters
- 2013 Joann Harris M.S., Masters of Science in Healthcare Emergency Management Thesis: The Autism Resource Kit
- 2013 Andrea Hefley, M.S., Masters of Science in Healthcare Emergency Management thesis: Use of therapy dogs after disaster
- 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 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 Dung Nguyen, M.S., Masters of Science in Healthcare Emergency Management thesis: Guidelines for Orphanages in Disasters
- 2013 Kevin O'Neill M.S., Masters of Science in Healthcare Emergency Management Thesis: Develop International Recruiting Program for HEM in China
- 2013 Atheer Ossra, M.S., Masters of Science in Healthcare Emergency Management thesis: Protocols for Evacuation of Children from Elementary Schools during a 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
- 2012 Exantus Alcimbert M.S., Masters of Science in Healthcare Emergency Management Thesis: Project LIST Language Interpretation Service Training
- 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 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 Samantha Beglinger, M.S., Masters in Healthcare Emergency Management thesis: Daycare Disaster Planning
- 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 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 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 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 Maria Friday, M.S., Masters in Healthcare Emergency Management thesis: Daycare Student Census, Tracking and Management in Disaster
- 2012 Chantal Geneus, M.D., M.S., Masters in Healthcare Emergency Management thesis: Implementing Psy-START Triage in Haiti's Disaster Response System
- 2012 Christian Geneus, M.S., Masters in Healthcare Emergency Management thesis: Tribute Team Management in Hospital Incident Command Systems
- 2012 Tori Jensen, M.S., Masters of Science in Healthcare Emergency Management thesis: Virtual Exercise Design
- 2012 David Krikorian, M.S., Masters in Healthcare Emergency Management thesis: Public Private Partnerships and Continuity of Operations Planning
- 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 Justin McCullen, M.S., Masters in Healthcare Emergency Management thesis: Designing Classroom Curriculum: A Workbook for Experimental Design for Healthcare Emergency Managers
- 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 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 Chanpreet Singh, M.S., Masters in Healthcare Emergency Management thesis: Nutritional Guide for Mass Feeding Shelters During an Emergency or Disaster
- 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 Zachary Vella, M.S., Masters in Healthcare Emergency Management thesis: Technology in the Field, Helping or Hindering: A Cautionary Tale

- 2011 Rachel Allgair, M.A., Masters of Arts in Medical Sciences thesis: Validation of Mass gathering Resource Model
- 2011 Greg Bond, M.S., Masters in Healthcare Emergency Management thesis: Developing a Template for Alternate Care Sites
- 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 Asha Neptune, M.A., Masters of Arts in Medical Science thesis: Mechanism to Control Malaria Epidemic in Displaced Persons and Refugee Camps
- 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

#### Current Graduate Mentoring Activities

Nina Shaafi Kabiri (PhD Candidate) - Major Advisor and First Reader  
 Christopher Brooks (PhD Student) - Major Advisor and First Reader  
 Cameron Carlson (PhD Graduate) – Committee Member

#### Bachelorette Degree (B.A. and B.S.)

- 2009 Matthew Reamer, B.S., Boston University
- 2013 Brandy Dupee, B.S., Simmons College
- 2014 Alanna Cote, B.A., Boston University
- 2015 Prem Sai Nagabhyrava, B.S., Boston University
- 2016 Ryan Chen, B.S. Student, Boston University
- 2016 Nancy Mendez, B.S. Student, Boston University
- 2017 Winston Bowen Student, B.S., Boston College

2017 Rojin Sharaflari, B.S. Student, Boston University  
2017 PJ Tran, B.S. Student, Brandeis University

### **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:**

*BeSafe Inc*, A master sponsored research agreement to perform training, exercises, and functional assessments in the areas of homeland security and disaster management. Specific areas of interest involve developing and assessing detailed crisis response and incident action plans and drills, 2017, **PI**, Total Support: \$75,000

*Everbridge Inc*, A sponsored research agreement to provide technical assistance and support for communication templates and communication practices in homeland security and disaster management activities, 2017, **PI**, Total Support: \$200,000

*Pfizer Inc*, A master clinical study agreement to assess non-invasive biological signal monitoring in various pathological groups. Specific areas of interest include sensing in Parkinson's disease, circadian monitoring in pathology, and technical study of the underlying methods, 2016, **PI**, Total Support: \$150,000

*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: \$4,140,000.

### **PAST OTHER SUPPORT:**

*Boston University*, Human Neurobiology laboratory to develop and pilot an interdisciplinary graduate level course with the School of Education, 2015, **PI**, Total Support: \$29,855

*Practical Creative Solutions Ltd.*, Dr. Thomas to act as Academic Director, provide support to academic and training activities in emergency management, 2015, **PI**, Total Support: \$70,000

*Pfizer Inc*, Human Neurobiology laboratory to perform validation of an automated blink counting instrument and ongoing investigations into physiology of blink behavior, 2014, **PI**, Total Support: \$28,000

*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.

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

#### **INVITED LECTURES, CONFERENCES, AND PRESENTATIONS:**

1. **Hosted and Moderated**, Simon A. Chernack Conference on Emergency Management, Boston University School of Medicine, Boston, Massachusetts, October 2016. This conference served the members of Emergency Management and Homeland Security Community and covered three areas: Dislocated, vulnerable, and underserved populations in disasters; PTSD, physical, and mental health needs; An overview of the current security situation in Europe.
2. **Speaker**, Everbridge Inc, October 2016. 10 Keys to Healthcare Emergency Management Planning. Seminar provided to 400 healthcare and emergency management professionals regarding communicating during and planning for crises.
3. **Hosted and Moderated**, Simon A. Chernack Conference on Emergency Management, Boston University School of Medicine, Boston, Massachusetts, November 2015. This conference served the members of Emergency Management and Homeland Security Community and covered three areas of management: healthcare and hospitals during the crisis of war; planning, preparedness and response to Ebola; and preparing cities for chemical and nuclear response.
4. **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.

5. **Keynote 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.
6. **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).
7. **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.
8. **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.
9. **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.
10. **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.
11. **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.
12. **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.

13. **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.
14. **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".
15. **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.
16. **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.
17. **Panel Member and Speaker**, Behavioral Studies in Crisis, West Virginia 3<sup>rd</sup> 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.
18. **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.
19. **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 5<sup>th</sup> Framework Information Societies Technologies (IST) Programme

to explore and examine real-time analysis of strategic information that is extracted from enterprise systems.

20. **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.
21. **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.
22. **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.

#### **ORIGINAL, PEER REVIEWED ARTICLES:**

1. Syed, N., Shaafi Kabiri, N., Bali, T., Karlin, D., Binneman, B., Tan, Y., **Thomas, K.** Use of the Scale for the Assessment and Rating of Ataxia (SARA) in healthy volunteer and subjects with schizophrenia. Manuscript in preparation.
2. Shaafi Kabiri, N., Brooks, C.R., Bergethon, P. R., Comery, T., Erb, K. M., **Thomas, K. C.**, & Fried, P. "Knowledge that one's blinks are counted impacts minute-by-minute blink count, but not average blink rate." Manuscript in preparation.
3. Corse, T., **Thomas, K.**, Broderick, J., Kabiri, N., Margulies, J., Masri, T., McCullen, M., McMahon, M. "Using Ebola as a Lens to Examine Medical Waste Sterilization." World Medical and Health Policy Journal 7:4, 2015.
4. **Thomas, K.** "On The Cover." Disaster Medicine and Public Health Preparedness, April 2013.
5. **Thomas, K.**, Burke, J., Winter, E., "Hurricane Irene: Here, Gone and Back Again." Journal of Homeland Security Education, Winter 2012
6. 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.
7. 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.
8. **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.

9. **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
3. **Thomas, Kevin**; Hallock, Kevin; and Pareto, Marcus P. “Formulating Quarantine Policies as a Wicked Problem.” *The Cornwallis Group XIII: Analysis in Support of Policy*. 2008. The Pearson Peacekeeping Center, Ottawa, CA. Editors A. E. R. Woodcock and David Davis
4. **Thomas, K.**, *Parenting an Abused Child*, (2004) ABI, Buena Vista, CO / Egalitarian Press, Gaithersburg, MD
5. Woodcock, A. E and **Thomas, K.** editors (2003) *The Critical Infrastructure Protection Project: Workshop I Working Papers*, George Mason University Press, Fairfax, VA
6. **Thomas, K.**, Carpenter, A., Siegel, J. (2003) “The Policy and Research Prospective” *The Critical Infrastructure Protection Project: Workshop I Working Papers*, George Mason University Press, Fairfax, VA, 18-25
7. **Thomas, K.**, Hill, C., LaPorte, T, and Adams, D (2003) “Potential Contributions of Modeling, Simulation, and Analysis (MSA) to Critical Infrastructure Protection” *The Critical Infrastructure Protection Project: Workshop I Working Papers*, George Mason University Press, Fairfax, VA, 137-146

### Posters, Abstracts, and White Papers:

1. Detheridge, C. N., Rolph, T., Shaafi Kabiri, N., Tan, Y., Steinman, A., Karlin, D., Bali, T., Babamoto, K., **Thomas, K.** “Comparison of paper and electronic versions of the EQ-5D and PDQ-8 in patients with Parkinson’s Disease.” Poster presentation delivered at the International Conference on Alzheimer’s & Parkinson’s Disease, Vienna, Austria, March 2017.



2. Shaafi Kabiri, N., Dupee, B.D., Cote, A.C., Kregel, M. H., **Thomas, K.C.** “Continuous Performance Test-Identical Pairs (CPT-IP): Characterization and Relation to Other Attention and Working Memory Tasks.” Poster presentation delivered at the International Neuropsychological Society meeting, New Orleans, LA, February, 2017.
3. Shaafi Kabiri, N., Cote, A. C., Dupee, B. N., Fried, P. J., Kregel, M. H., **Thomas, K. C.** “Test-retest reliability of the MATRICS Cognitive Consensus Battery (MCCB) in persons with Schizophrenia and healthy volunteers: A non-interventional study.” Poster presentation delivered at Society for Neuroscience meeting, San Diego, CA, November, 2016.
4. Syed, N., Shaafi Kabiri, N., Bali, T., Karlin, D., Binneman, B., Tan, Y., **Thomas, K.** “Use of the Scale for the Assessment and Rating of Ataxia (SARA) in healthy volunteer and subjects with schizophrenia.” Poster presentation delivered at Society for Neuroscience meeting, San Diego, CA, November, 2016.
5. Shaafi Kabiri, N., Brooks, C.R., Kasthuri, N., Comery, T., **Thomas, C. K.**, Fried, J. P. “Informing participants impacts minute-by-minute blink count, but not average blink rate.” Poster presentation delivered at Society for Neuroscience meeting, Chicago, IL, October, 2015.
6. Loth, S., Romney, C. Shaafi Kabiri, N., **Thomas, K.C.**, “The Effect of Triage Training on Triage Classification Using Gaze Tracking.”, Las Vegas, NV, 2014. Abstract
7. Colliard, K., Pfaff, L., **Thomas K.C.**, Zumwalt, A., “Training Effect of a Teaching Intervention in the Context of Gaze Training.”, Poster presentation delivered at American Association of Anatomists, Boston, MA, 2013
8. Pfaff, L., Colliard, K., **Thomas K.C.**, Zumwalt, A., “The Effect of Training on Individual Interactions with Visual Data.”, Poster presentation delivered at American Association of Anatomists, Boston, MA, 2013
9. Burke, John J.; Singer, Len; **Thomas, Kevin**; Singer, Jennifer; Reimer, Matthew. “Funding for Emergency Preparedness: The Tribal Nation Perspective.” White Paper for U.S. Senate Committee on Indian Affairs. Mar. 2010.
10. **Thomas, Kevin.** “Methods for Assessing and Developing Understanding of Resiliency in Communities.” Rebuilding Sustainable Communities with the Elderly and Disabled People Workshop, July 2010 Abstract
11. 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
12. 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
13. 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.

14. **Thomas, Kevin**, “Resistance to Wireless Telecommunication Antenna Siting: A Case study of Regulatory Policy and Community Intervention”, September 2007
15. Nicogossian, Arnould., **Thomas, Kevin**, “Protecting the Nation’s Blood Supply: A Critical Infrastructure.” Office of Internal Medical Policy, School of Public Policy, George Mason University. 26 Apr. 2004. Print.
16. 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.
17. **Thomas, Kevin**, “Ready for Sea, the New Construction Process” *Navy Supply Corps Newsletter* (April 1996)
18. **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