

## Curriculum Vitae

James McKee, DSc.(c), MBA

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Research Fellow/Faculty  
Healthcare Emergency Management Program  
Bioimaging Program  
Department of Anatomy and Neurobiology  
Boston University School of Medicine  
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### ACADEMIC TRAINING:

2017	D.Sc. (Candidate)	New Jersey City University, Jersey City, NJ
2009	MBA	University of Phoenix, Phoenix, AZ
1988	B.A./Management	Antioch College, Yellow Springs, OH
1986	Paramedic Certification	Clark Community College, Springfield OH

### ACADEMIC APPOINTMENTS:

2017-	Research Fellow	Boston University School of Medicine, Department of Anatomy and Neurobiology
2015- 2017	Adjunct Professor	Healthcare Emergency Management and Bioimaging Masters Programs, Boston University School of Medicine, Department of Anatomy and Neurobiology
2012- 2015	International Education Director	United Kingdom Government Department of Community and Local Government (DCLG), HM Government, London
2002- 2012	Division Director	Texas A&M University System, Engineering Extension Service Division of Emergency Preparedness and Response

### HONORS:

2010 Board of Regents Fellow, Texas A&M University

### DEPARTMENTAL AND UNVIERSITY COMMITTEES:

2016-	Admissions Committee, Masters of Science in Bioimaging, Boston University School of Medicine
2016-	Admissions Committee, Masters of Science in Healthcare Emergency Management, Boston University School of Medicine
2015-	Organizing Committee, Simon A. Chernack Conference on Emergency Management and Homeland Security, Boston University School of Medicine focusing on healthcare and hospitals during the crisis of war; planning, preparedness and response to Ebola; and preparing cities for chemical and nuclear response.

## **TEACHING EXPERIENCE AND RESPONSIBILITIES:**

### Course and Program Development:

- 2002-2012 Texas A&M University System, Extension Service Program Director and creator of 14 training courses.
- Passenger Rail Rescue
  - Rescue in a Contaminated Environment
  - Multi-National US&R Exercise at Disaster City®
  - Planning Team Manager Training\
  - Search and Rescue Safety Officer
  - Logistics Specialist Training
  - Medical Team Specialist Training
  - Disaster Medical Technician Training
  - Swiftwater Rescue Training (NFPA 1006)
  - Technical Search Specialist Training
  - Canine Search Specialist Training
  - Wide Area Search Training
  - Structural Collapse Training
  - Advanced Structural Collapse Training
- 2002-2012 Federal Emergency Management Agency (FEMA)  
co-creator of 4 courses:
- Disaster Logistics Specialist Training
  - Task Force Leader
  - Incident Support Team Training
  - Type III- Water Rescue Team Model

### Course Director:

- 2017- Present The Disaster Life Cycle, Healthcare Emergency Management, Boston University School of Medicine
- 2017- Present Ethics, Law, and Policy, Healthcare Emergency Management, Boston University School of Medicine

### Course Instructor:

- 2015- Present Ethics, Law, and Policy, Healthcare Emergency Management, Boston University School of Medicine
- 2016- Present Methods and Practices of Incident Command, Healthcare Emergency Management, Boston University School of Medicine
- 2016- Present Research Practicum and Thesis Design, Healthcare Emergency Management, Boston University School of Medicine
- 2016- Present Directed Studies, Healthcare Emergency Management, Boston University School of Medicine
- 2016- Present Bioimaging Foundations, Bioimaging, Boston University School of Medicine
- 2016- Present Thesis and Practicum Design, Bioimaging, Boston University School of Medicine
- 2016- Present Thesis Research, Bioimaging, Boston University School of Medicine

2016- Present Directed Studies in Bioimaing, Bioimaging, Boston University School of Medicine

**MAJOR MENTORING ACTIVITIES:**

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

- 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 Harrison Co, M.S., Masters of Science in Bioimaging Thesis: Use of Dielectric Materials to Improve Signal Halogenating in Metal Articacting
- 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 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 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 Erin Deluca M.S., Masters of Science in Healthcare Emergency Management Thesis: Creating an Emergency Management Abroad Video Training Course for Boston University
- 2016 Katheryn Lhota M.S., Masters of Science in Healthcare Emergency Management Thesis: Response to a Nora Virus Outbreak on Nantucket Island
- 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 Gillian 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 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 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

**PROFESSIONAL SOCIETIES: MEMBERSHIPS, OFFICES, AND COMMITTEE ASSIGNMENTS:**

- 1985 National Fire Protection Association (NFPA) - **Member**
- 1995 International Association of Fire Chiefs (IAFC) - **Member**
- 1998 National Fire Protection Association (NFPA) - **Level III Master Instructor**
- 1998 US Federal Emergency Management Agency (FEMA) - **Lead Instructor and Train the Trainer**
- 1999 US Federal Emergency Management Agency (FEMA) - **Incident Management Team Leader, Chief**
- 1999 US Federal Emergency Management Agency (FEMA) - **Committee assignments:**

**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 accessing detailed crisis response and incident action plans and drills, 2017, **Program Manager**, Total Support: \$100,000

*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, **Program Manager**, Total Support: \$200,000

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

1. **Speaker**, Everbridge Inc, August 2017. Solar Eclipse, Emergency Management planning and Preparation.
2. **Speaker**, Everbridge Inc, August 2017. Center for Medicare and Medicaid Services (CMS) CFR part 42 Rule on Emergency Preparedness in Healthcare sectors
3. **Speaker**, Simon A. Chernack Conference on Emergency Management, Boston University School of Medicine, Boston, Massachusetts, October 2016. Mini-presentation and facilitator 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.
4. **Co-Creator IRRRC**— (2011) Co-Creator and founding member of the International Risk Resilience and Response Center. A cooperative center founded by Coventry University, England and TEEX/Texas A&M University System. The center is aimed at encouraging research, academic study, and the application of the components of the IRRRC.
5. **Key Note Speaker**, *National Capital Region Special Operations Symposium*— Ottawa, Ontario Canada (2011) Served as Keynote and presented the challenges in emergency response special operations since 9/11. The presentation discussed changes in technology, information management, and equipment. This group was comprised of responders, emergency managers, and senior political representatives from across Canada.
6. **Presiding Judge**, *United Kingdom Rescue Organization* — London England (UKRO) is an organization designed to encourage emergency responders to compete against one another in various skill sets in an attempt to increase skill and learning. This conference was held in preparation for the International Rescue Challenge, which will be held in London following the 2012 Olympic games. A presentation was provided on technology and social media influence within the emergency response and crisis management communities.
7. **Key Note Speaker**, *European Crisis Cooperation 2008: Flood Response*—March 13 and 14, 2008 in Aix-en-Provence, France—The purpose of the conference was to discuss the challenges involved with crisis response on a European level, and how flood-prone member states can benefit from such a system.
8. **Speaker**, *50<sup>th</sup> Annual Judges and Commissioners Conference*—February 12, 2008 in College Station, TX – The purpose of this conference was to discuss the planning and preparedness of communities and address crisis response scenarios for local and county decision-makers.

9. **Speaker**, *Minnesota Symposium on Terrorism and Emergency Preparedness*—November 14 and 15, 2006 in Brooklyn Park, MN—This conference focused on leadership issues related to learning from the past and preparing for the future as it relates to terrorism and emergency preparedness.
10. **Speaker**, *Critical Infrastructure Resilience*—June 26-28, 2006 in Arlington, VA—This conference addressed issues of quick recovery of critical services and infrastructure with minimum damage to public safety and health, the economy, and national security after a major disaster or incident.

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

1. **Author**, McKee, J. ASTM Standard for Logistics of US&R Robotics, ASTM E2592, Standard Practice for Evaluating Cache Packaged Weight and Volume of Robots for Urban Search and Rescue, ASTM International, West Conshohocken, PA, [www.astm.org](http://www.astm.org)
2. Zoghi, B., & McKee, J. (2008). RFID-based network for personnel and mission-critical asset tracking in a Disaster City®. Presented at the 38th conference of the ASEE/IEEE, Frontiers in Education. October 22-25, 2008, Saratoga Springs, NY.

#### **CASE REPORTS, REVIEWS, CHAPTERS AND EDITORIALS**

##### **Books and Book Chapters:**

1. McKee, J. Anticipating the demands of future emergencies. *Crisis Response Journal*, 2(1): 56-58.
2. McKee, J. London responders trained in Texas. *Fire Chief Magazine*. August 2005.
3. Force B., Bennett G.K., McKee J. (2011) Texas Task Force 1 Stories from the frontlines of numerous disasters encompassing the history of one of the world's busiest emergency response groups.

##### **Posters, Abstracts, and White Papers:**

**Poster**, *Northeast Regional Security Education Symposium Investing in America's Security: Cybersecurity Issues* —March 10, 2017 in Jersey City, NJ—This conference examined issues of security toward cybersecurity.

**Poster**, New Jersey City University STEM Leadership Symposium (Science, Technology, Engineering, and Mathematics) *Cybersecurity Issues* —April 11, 2017 in Jersey City, NJ—This conference highlighted the STEM programs in undergraduate education.

##### **Awards (Selected):**

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| 2014 | Support and Collaboration Recognition, Kuwait City, Kuwait |
| 2010 | Innovation Award from Texas Engineering Extension Service  |

2008 Recipient Texas A&M University System Board of Regents Fellow

2001 Lifetime Service Award and Key to the City, Enon and Mad River Township Communities, Ohio

2001 20th SOS (Special Operations Squadron), 16th Special Operations Wing, Air Force Special Operations Command, for Leadership, Tenacity and Support

2001 Liberty Bell Award for Courage, Dedication and Inspiration, McGuire Air Force Base, NJ

1998 Mad River Township Fire Department, Ohio, Firefighter of the Year

1997 Service to Mankind, Enon Area Sertoma Club, Ohio