



CEMR FOUNDATION

Comprehensive Emergency Management Research

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INSIDE THIS ISSUE

[Advancing the Profession](#)

[Comprehensive EM Research](#)

[Meet the CEMR Board Members](#)

[CEMR Network At a Glance](#)

[Top Contributions](#)

[Join Our Community](#)

MEETING THE NEED, ADVANCING THE PROFESSION

It is recognized by many scholars that research is a necessity for any discipline to be theoretically grounded and to advance its level of competency. This fundamental concept is no different with regard to improving the science and practice of emergency management. Elevating the science and practice of emergency management requires research that applies precise methodological approaches to investigate, understand, and resolve the issues and challenges specific to comprehensive emergency management. Emergency management research must be accustomed to the principles and practices of preparedness, response, mitigation, and recovery, grounded in the sciences of management, disaster studies, and social sciences, and familiar with the contributions of a diverse array of professional fields. As emergency management elevates its scholarly presence, the profession will rely more upon the rigors of research and less on the reactive and subjective practices of best practices and lessons learned.

Over the past few decades, emergency management has made tremendous progress to professionalization and establishing a foundation for future generations of emergency managers. Although it is important to establish a vision for the profession, it is even more critical to identify the challenges that will inhibit the profession from achieving its goals, and to develop strategies to overcome these obstacles. A review of the contemporary literature on this subject revealed several constraints and obstacles that have been identified by numerous notable scholars.

Disconnect Between Academia & Practice: A recent study conducted by the International Association of Emergency Managers found that sixty-three percent of emergency management students see a gap between academics and the practice of emergency management (Kelly and Harris, 2010). This astonishing revelation demonstrates not only the disconnect between the academic and practical applications of the profession but also the lack of accessibility of researchers to the emergency management community (Oyolo-Yemaiel and Wilson, 2005); and what Phillips (2009) describes as the poor linkages between researchers and practitioners. This disconnect between research and practice is a very worrisome trend since seventy percent of emergency management students are required to conduct research as part of their degree program (Kelly and Harris, 2010). This lack of interaction ultimately impedes the sharing and collaboration between the academics and practice. In order to grow and

sustain EM programs, it is important for both faculty and students to maintain a positive presence in the EM community. Networking enables them to accomplish this goal (Muffet-Willet and Schwartz, 2008).

Multi-Disciplinary Perspectives: The broad application of the profession creates a proverbial tug-o-war between the multiple disciplines that have claimed their stake in the various practices or hazard-specific applications of comprehensive emergency management. It has been stated that there is a need for professional emergency managers to think in multi and interdisciplinary ways (Mileti, 2007), and a necessity for them to excel in many diverse fields, yet be scholars in their own discipline (Martin and Kemp, 2011). As emergency management continues to elevate itself as a discipline, it must actively engage with the various disciplines that support the growing knowledge base of emergency management.

Lack of Theoretical Foundation: Klenow (2008) postulated that theory work is a critical enterprise for all academic fields, especially those that are new and emerging. The goal of developing a general theory of emergency management should be a top priority (Drabek, 2008); however, emergency management research is challenged by the influence of institutions to focus on the pure rather than practical research in order to earn tenure and promotions (Mileti, 1999). The profession must address areas of research that are specific and unique to the discipline of emergency management (Oyolo-Yemaiel and Wilson, 2005). It is imperative that we direct the new emergency management profession based on applied research rather than lessons-learned (Mileti, 2007). This new, proactive focus will help secure academic credibility of the discipline and enhance the professionalization of emergency management (Blanchard, 2007). Elevating the credibility of academia and the professionalization of emergency management is not something that can be accomplished in a vacuum. It requires the collaborative efforts of both the practice and academics.

COMPREHENSIVE EMERGENCY MANAGEMENT RESEARCH

Recognizing the growing void in the emergency management community, a cadre of esteemed and inspiring emergency management scholars and practitioners convened in June of 2009 to address these concerns and to identify strategies to provide an open and accessible forum to connect the multi-disciplinary perspectives of the profession, link the academic and practice of emergency management, bridge the theoretical and practical applications of the discipline, and advance the practice and science of comprehensive emergency management. The result of this summit was the creation of the Foundation for Comprehensive Emergency Management Research (CEMR) and the Comprehensive Emergency Management Research Network (CEMRN).



The Foundation for Comprehensive Emergency Management Research (CEMR) is a consortium of dedicated and esteemed researchers, practitioners, and students that represent a variety of disciplines with complementary perspectives of comprehensive emergency management. The Foundation for CEMR will serve as an advocate for the advancement of the profession by promoting research and linking the theoretical and practical applications of the study. The Foundation for CEMR will guide activities, policies, and practices of comprehensive emergency management through applied research and advocacy. The mission of the Foundation for CEMR is to provide a catalyst that advances and improves comprehensive emergency management. This vision is accomplished by offering a forum that connects researchers and professionals world-wide and provides members with a venue to:

1. Share interests in various research topics
2. Collaborate, share, and distribute within the disciplinary and multiple disciplinary perspectives
3. Promote and develop solutions that bridge the theoretical and practical applications of comprehensive emergency management, and
4. Create and support an active community dedicated to advancing the profession of emergency management through research and new knowledge

The Foundation for CEMR is governed by a Board of Directors and will oversee the activities of the CEMR Network.

CEMR NETWORK
 Comprehensive Emergency Management Research

The CEMR Network (<http://www.cemr-network.org>) is a free, online platform that connects emergency management researchers, practitioners, scholars and organizations from around the world to share interests in various research topics and distribute information within the disciplinary and multi-disciplinary perspectives. Members can share and collaborate through the use of discussion forums, interactive chats, blogs, post videos, and share feeds on issues related to comprehensive emergency management research. The CEMR Network (CEMRN) offers its members the following services:

- **Connect** to over 1,000 feeds from credible and scholarly sources related to various comprehensive emergency management research topics. Sign up to receive weekly CEMR Network Broadcasts.
- **Stay Informed** on the latest emergency management events, news, publications, research contributions, and opportunities. Visit the CEMR Disaster Blogs and get informed of and share information on numerous disasters including the 2011 Japan Earthquake & Tsunami, 2010 Australian Floods, and the 2011 Midwest Floods.
- **Collaborate with** the growing number of emergency management professors, researchers, students, and practitioners from 32 countries (and growing) around the world.
- **Participate** by creating or joining focused CEMR Groups that are empowered by the latest e-Forum technologies and over 253 apps (and growing). There are currently twenty-two groups with topics ranging from community disaster recovery to social media in disasters. Create your own community to collaborate on topics that interest you and your colleagues.
- **Integrate** your professional life by providing a forum to share resources, consolidate information, and manage your social media life by interfacing with LinkedIn, Facebook, Twitter or MySpace accounts. Broadcast your discussions, blogs and posts to our growing number of followers on numerous social media applications.
- **Mobile access** is now available to members that are on-the-go. View CEMR Network Activity, update your 'My Page', view Member Pages, and participate in the discussion forums from your mobile phone with the CEMR Network app.
- **Translate** any page on the CEMR Network to your language of choice. Be able to communicate and collaborate with others from around the world despite possible language barriers.

FOUNDATION ANNOUNCES BOARD

The Foundation for Comprehensive Emergency Management Research (CEMR) is pleased to announce its board members for the 2011-2012 terms. The Foundation for CEMR welcomes Dr. Chris Reynolds, Ms. Kay Goss, Dr. Derin Ural, Dr. Micheal Kemp, Dr. Daniel Martin, Mr. Daiko Abe, and Mr. Michael Kelly. The Foundation for CEMR Board members represent an international representation of academic, public, and private sector leaders as well as practitioners, educators, and students.



Dr. Chris Reynolds, CEM has over 30 years of higher education experience in both the traditional and online classroom. He currently serves as the Dean for the Center for Teaching and Learning at American Military University. He previously served as Director over AMU's Emergency and Disaster Management and Homeland Security programs. His disaster management experience includes the Oklahoma City Bombing, Hurricanes Andrew, Elana, Opal, and Katrina; and, the Deepwater Horizon Oil Spill and Haitian Earthquake. Dr. Reynolds also serves as the Center Director for EdVancement Solutions' Center for Public Safety, overseeing the Homeland Security, Emergency Management, Law Enforcement, Public Health, Emergency Medical Services, and Fire programs. He is a board certified emergency manager (CEM) and holds the Master Military Emergency Manager Specialist (MEMS) certification. Dr. Reynolds has developed and taught numerous emergency management courses throughout the United States. He has also served as a subject matter expert and curriculum developer at the National Emergency Training Center in Emmitsburg, Maryland. He holds a Doctorate in Education from Argosy University and Master's in Public Administration from Troy State University. Dr. Reynolds is also a Lieutenant Colonel in the United States Air Force Reserve and is an Emergency Preparedness Liaison Officer (EPLO) assigned to Air Force Northern Command, 1st Air Force. He is a graduate of the United States Air Force Officer Training School and the Air Force Air Command and Staff College. Lt. Col. Reynolds was mobilized shortly after the September 11th attacks and commanded an Aeromedical Evacuation Team in Afghanistan and Pakistan in 2001/2002, directly supporting combat search and rescue operations.



Dr. Derin Ural obtained her Master's Degree in 1992, and her PhD in 1995 from Princeton University, from the Department of Civil Engineering & Operations Research, Structures & Mechanics Division. She graduated as the top of her class in 1989 with a B.S. from the Florida International University, Department of Civil and Environmental engineering. Dr. Ural is currently working at the Istanbul Technical University, as a Professor of Civil Engineering, and serves as the Vice President in charge of Student and International Affairs. She recently coordinated a bi-national effort between Turkey and the United States Federal Emergency Management Agency, on Project ACHIEVE – "A Cooperative Hazard Impact-reduction Effort Via Education". Dr. Ural is the founding director of the Center of Excellence for Disaster Management at the Istanbul Technical University. Dr. Ural has served as an expert to the European Commission and Turkish Prime Ministry on civil engineering and disaster management research and policy issues. Dr. Ural has earned awards, including a fellowship from Kajima Corporation in Japan, Sigma Xi membership, Phi-Kappa-Phi Honor Society membership, and ASCE Murray Mantel Award. She is the editor of three Conference Proceedings, and author of numerous scientific papers. Dr. Ural was the founding secretary of the American Society of Civil Engineers, Turkey International Group, and has recently served as the group President. Prof. Ural is the executive secretary of the International Association for Housing Science.



Kay Goss, CEM has served as Senior Principal and Senior Advisor for Emergency Management and Continuity Programs, SRA International, since 2007. Past positions include: Senior Advisor for Emergency Management, Homeland Security, and Business Continuity of Electronic Data Systems Corporation (2001-2007); the first female Associate Federal Emergency Management Agency (FEMA) Director, a Presidential Appointee, U.S. Senate Confirmed (1993-2001); Senior Assistant to Governor William Jefferson Clinton for Intergovernmental Relations (1982-1993). Her professional leadership positions include: President, Foundation for Higher Education Accreditation of Emergency Management Degree Programs, 2006-present; Editorial Review Board, Journal of Emergency Management, EOC Magazine, and Homeland Security Television Network, 2009-present; Columnist, Domestic Preparedness Journal, 2008-present.



Dr. Micheal A. Kemp, CEM is a faculty Chair for Emergency Management, Homeland Security, Fire Services, and Leadership in Capella University's School of Public Service Leadership, and has served as a faculty member for the university since 2010. Prior to joining Capella, Dr. Kemp was a faculty member at American Military University where he taught undergraduate and graduate courses in emergency management and homeland security. He also served as a team member in a weapon of mass destruction civil support team and participated in a dedicated security and anti-/counter-terrorism unit of the United States Marine Corps. Dr. Kemp has also published and spoken in numerous professional forums concerning issues of comprehensive emergency management, the profession of emergency management and has actively worked with several county and state entities concerning social and physical vulnerability, natural and technological hazard identification, risk modeling, mitigation, exercise and evaluation, critical infrastructure, asset protection and physical and personal protection. Dr. Kemp holds a Ph.D in emergency management from North Dakota State University, a MS in Criminal Justice from Minot State University, and is an IAEM Certified Emergency Manager.



Dr. Daniel Martin, CEM, CFM is a professor for several universities and managing principal of Integrated Solutions Consulting and has over 15 years of professional experience in the fields of environmental engineering, public health, and emergency management for public and private entities. Dr. Martin holds a Ph.D. in Emergency Management, Masters Degree in Disaster Management, and a Bachelors of Science in Environmental Engineering Technology. Dr. Martin is a Certified Emergency Manager and a Certified Floodplain Manager. Dr. Martin has responded in various capacities for scores of disasters including the 2001 World Trade Center Attacks, the 2004 Florida Hurricanes, and Hurricane Katrina. He has presented and authored on numerous comprehensive emergency management topics. Dr. Martin's enthusiasm for and knowledge of the profession of emergency management and the effects of disasters on communities has led him to become involved in several professional organizations including the Foundation for Comprehensive Emergency Management Research, American Society of Civil Engineers' Committee on Critical Infrastructure, The Infrastructure Security Partnership, and International Association of Emergency Managers. Dr. Martin sits on the IAEM CEM® Commission and American Society of Civil Engineer's Committee on Critical Infrastructure. Dr. Martin is dedicated to fostering collaborative efforts to bridge the theoretical and practical applications of emergency management and committed to promoting the profession.



Daiko Abe is currently completing a master’s degree in Emergency Management, and is concurrently pursuing a Ph.D. in the same field of study at North Dakota State University. He has demonstrated both academic and professional aptitude and commitment within the emergency management discipline. Professionally, Mr. Abe has been a major contributor and developer of emergency management planning doctrine for local jurisdictions across the nation. Through his professional and academic pursuits, Mr. Abe has a unique understanding and perspective of the gaps and research needs within the emergency management discipline. Specifically, Mr. Abe has research interests in the specialized areas of hazard mitigation, risk and vulnerability assessments, and understanding how capacity and capability can be increased to better prepare rural communities for disasters. As a former communications director and government/legislative affairs specialist, Mr. Abe has experience shaping and influencing policy at all levels of government; media relations; public outreach and education; and crisis management support services.

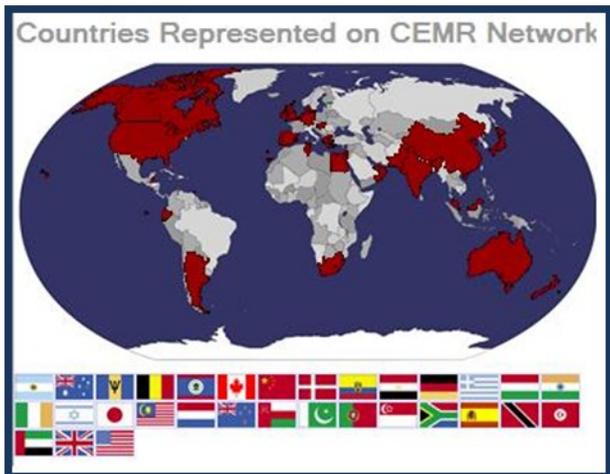


Michael Kelly, AEM, ALEM, MEMS is an Emergency and Disaster Management student at American Military University (AMU). He is currently serving as the First Vice President of the International Association of Emergency Managers-USA Student Region, the Vice Chair of the IAEM Training and Education Committee, and the Chapter President of the Epsilon Pi Phi Honor Society at AMU. His background includes experience in the Marine Corps as an Aviation Command and Control Specialist, serving as the Preparedness Director of the Palmetto Chapter of the American Red Cross, & training as a Weapons of Mass Destruction Hazardous Materials Technician. He also has extensive background in education and training, both in the military and emergency management fields. Mr. Kelley is an Associate Emergency Manager through the IAEM, and an Advanced Level Emergency Manager through the Alabama Association of Emergency Managers. He holds the Master Military Emergency Management Specialist (MEMS) Badge, and is an Instructor for the MEMS Academy. He is the first recipient of the Gold Award from the Epsilon Pi Phi Honor Society, and is a member of Golden Key Honor Society. He intends to begin Graduate studies this fall at AMU in Emergency Management with certificates in Homeland Security Studies and Education.

CEMR NETWORK AT A GLANCE

A Growing Research Community, You Can Join Now

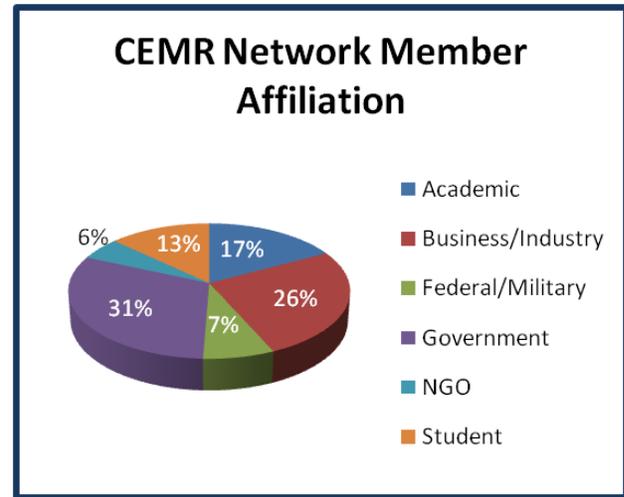
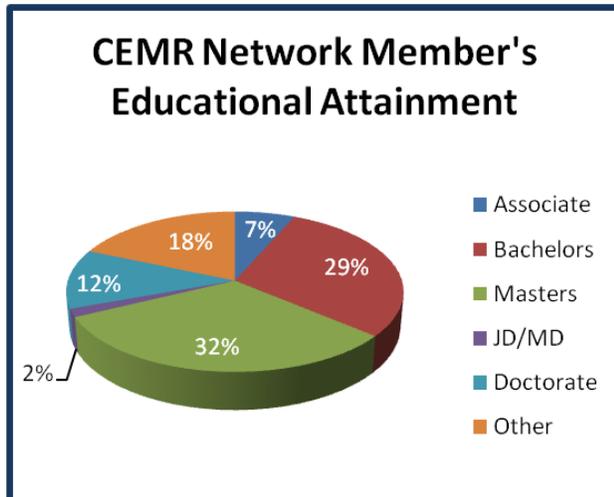
As we close upon the CEMR Network’s (CEMRN) first year of existence, we thought we would share with our members and partners a summary of our “community’s” remarkable growth. In just one year, the CEMR Network has grown to 1,114 members from 33 countries and is represented by 99 universities and 11 research centers, institutes and laboratories. We are proud to have a collaborative network with such diversity and expertise. We are very appreciative of everyone’s continued collaboration, contributions to comprehensive emergency management research, and advancing the profession by bridging the practical and theoretical applications of this important discipline. The following is a summary of the CEMR Network’s membership community as of 01-June-2011.



CEMR NETWORK

Comprehensive Emergency Management Research

Summary of CEMR Network Membership	
Inquired CEMR Network Members	1114
<i>Active Members</i>	759
Average Years Experience	15.8
Countries Represented	33
Universities Represented	99
Research Centers, Institutes and Laboratories	11



TOP CONTRIBUTIONS ON THE CEMR NETWORK

Recognizing Collaborative Efforts on the Network

In the past year, the CEMR Network has launched 23 Groups with a broad array of topics. Many of these groups are led by distinguished professionals that are leading experts in the subject. Each of these groups retrieve informative feeds related to the focused topic. In addition to the CEMR Network Groups, there have also been some lively discussions and blogs on recent disasters.

These collaborative networks are critical to bridging the theoretical and practical applications of the study, and advancing the discipline of emergency management. We at the Foundation for CEMR would like to thank all of you that have participated on the network over the past year and acknowledge some of the more active CEMR Groups, discussions, and disaster blogs.

CEMR Group Rankings	
Most Memberships	Emergency Management Theory [46 Members] <i>Sponsorship TBD</i>
	Comprehensive Planning & Preparedness [44 Members] <i>Sponsorship TBD</i>
	Critical Infrastructure & Key Resources [36 Members] <i>Sponsored by ASCE/Critical Infrastructure</i>
Most Active	Social Media in Disasters <i>Created by Steve Glassey; Sponsored by the International Research Network for Social Media in Disasters</i>
	Community Disaster Recovery <i>Created by Dr. Daniel Martin, CEM</i>
	Rural Emergency Management <i>Created by Ms. Dianna Bryant</i>

Top Discussions and Blogs	
What Research is Out There?	<i>Discussion initiated by Mr. Steve Glassey,</i>
What Research is Out There?	<i>Discussion initiated by Mr. Robin Sharma</i>
2011 Christchurch, New Zealand	<i>Blog initiated by CEMR Network</i>
2011 Japan Earthquake & Tsunami	<i>Blog initiated by CEMR Network</i>
Command vs. Leadership - What is "leadership" and how does it relate to EM?	<i>Discussion initiated by Dr. Daniel Martin, CEM</i>

JOIN the CEMR NETWORK! ITS FREE!

For more information about the Foundation for Comprehensive Emergency Management Research, please e-mail us at: inquiry@cem-research.org or visit our web site at <http://www.cemr-group.org/>.

To become a contributing member of the Foundation for Comprehensive Emergency Management's growing community, please join our CEMR Network. Go to <http://cemr-network.org/>. This web address will take you to the CEMR Network's home page. To gain full access to the site, click "Sign-Up".