

Gregory L. Shaw, D.Sc.
Associate Professor of Engineering Management and Systems Engineering
Co-Director, Institute for Crisis, Disaster, and Risk Management
The George Washington University
1776 G Street, NW Suite 101
Washington, DC 20052
glshaw@gwu.edu
202-994-6736

SUMMARY OF QUALIFICATIONS: Professional practitioner, educator, and program manager with extensive experience and education in the field of crisis, emergency and risk management with specific emphasis in the domain of Organizational Continuity. Certified as a Business Continuity Professional (CBCP) through Disaster Recovery Institute International in 2001. Twenty seven as a Coast Guard officer including 12 years operational leadership experience in emergency response, humanitarian assistance, and marine environmental protection as an officer and unit commander. Twenty years experience in the specialty area of training, education and human development with graduate and undergraduate program management and teaching experience at the United States Coast Guard Academy, The George Washington University, Florida Atlantic University, and Massachusetts Maritime Academy.

EDUCATION:

Doctor of Science in Engineering Management - Concentration in Crisis, Emergency and Risk Management, George Washington U., Washington, DC. – Dissertation: The Competencies Required of Executive Level Business Crisis and Continuity Managers

Master of Arts in Business Administration (Distinguished Graduate), Webster U., Saint Louis, MO.

Master of Arts in Education and Human Development, George Washington U., Washington, DC.

Master of Arts in Liberal Studies (Emphasis Physics), Wesleyan U., Middletown, CT.

Bachelor of Science in Engineering (with Honors), U. S. Coast Guard Academy, New London, CT.

PROFESSIONAL EXPERIENCE:

Associate Professor/Senior Research Scientist, Co-Director, Institute for Crisis, Disaster and Risk Management, The George Washington University, Washington, DC – Dec 2001 – Present

- Alternate Emergency Manager and Crisis Manager of the Resource Management Team for George Washington University from September 2002 until December 2009, Primary Emergency Manager December 2009 until June 2010.
- Adjunct Associate Professor for Florida Atlantic University and Massachusetts Maritime Academy teaching graduate level courses in Homeland Security Policy, Business Crisis Management, Disaster Recovery and Organizational Continuity and Risk Management.
- Member of Jacksonville State University Advisory Board for the establishment of an online Doctoral program in Emergency Management.
- Primary outside reviewer for the Elmira College establishment of a Masters level program in Emergency Management.
- Primary state appointed reviewer for the establishment of the Massachusetts Maritime Academy undergraduate program in Emergency Management.
- Currently a member of the Netherlands-United States Water Crisis Research Network (NUWCRen) team (3 U.S universities and 3 Netherlands academic/research institutions) conducting research and developing products related to flood preparedness, response and recovery planning and operations.
- Provide research and analysis support for authoring emergency response competencies and curricula for the Veterans Health Administration
- Provided research and analysis support to the San Francisco Bay Ferry System Risk Assessment research project.

- Member of the 9/11 Commission Business Roundtable recommending standards and partnerships for business preparedness.
- Principal Investigator for the U. S. Army Corps of Engineers Response to the Attacks of September 11th – Rapid Assessment Report.
- Lead developer for the FEMA Higher Education Project undergraduate level course Hazards Risk Management.

Program Manager, Geospatial Services Department, Veridian Systems Division, Chantilly, VA – May/2000 to December/2001

- Led a technical staff of 10 generating annual revenue of \$1.2 Million (30% increase from 1999).

Program Manager and Director of Training and Education, Institute for Crisis, Disaster, and Risk Management, The George Washington University, Washington, DC – Nov/1996 – May/2000

- Principal Course Developer of the university level Business and Industry Crisis Management course for the FEMA Higher Education Project.
- Adjunct Faculty for the George Washington University and Shenandoah University teaching graduate level courses in Crisis Management, Disaster Recovery and Organizational Continuity and Risk Management.

Leadership, management and supervisory experience as a Coast Guard Officer in positions of increasing responsibility (assignments not included above) June/1969 – July/1991

Successfully completed eleven (11) rotational assignments at various Coast Guard, Navy and Joint Service organizations including duty aboard six cutters (four as Commanding Officer), Operations Officer of Coast Guard Group New York, Post-graduate education at Wesleyan University, Instructor of Physics at the Coast Guard Academy, Director of Small Boat Training Yorktown, VA, Liaison Officer to the Navy Mine Warfare Command, and Head Training Division Yorktown, VA. Promoted to and served successfully in the rank of Captain (06) in the United States Coast Guard.

PUBLICATIONS – Please see <http://www.gwu.edu/~icdrm/People/shaw.htm> for links to all publications.

1. Shaw, Gregory L., Harrald, John, R. “Public/Private Partnerships for Flood and All Hazards Emergency and Disaster Management: The United States Experience – Lessons Learned and Best Practices.” Chapter of Flood Preparedness in The Netherlands, a US Perspective. 2012.
2. Steward, Scott. Shaw, Gregory L. “Relationship Between Business Demographic Data and Implemented Disaster Preparedness Measures.” Submitted to the Journal of Homeland Security and Emergency Management on February 28, 2012 and is currently under peer review.
3. Fortier, Stephen. Shaw, Gregory L. “Understanding Incident Response to Unplanned Releases at Chemical Facilities.” Submitted to the Journal of Homeland Security and Emergency Management on January 6, 2012 and is currently under peer review.
4. Fortier, Stephen. Shaw, Gregory L. (2011) Using Process Modeling and Simulation to Define Requirements for Incident Response for Chemical Facilities. Conference Paper. 34th IEEE Software Engineering Workshop (SEW-34)
5. Fortier, Stephen. Shaw, Gregory L. (2010) Incident Response Mechanism for Chemical Facilities (US). Conference Paper. Information 2nd Conference "Hazards - Detection and Management", Dresden, Germany, Sept. 20-24, 2010
6. Dunaway, Michael W. and Shaw, Gregory L. (2010) "The Influence of Collaborative Partnerships on Private Sector Preparedness and Continuity Planning," *Journal of Homeland Security and Emergency Management*: Vol. 7: Iss. 1, Article 47.
7. Moore, Carol C., Shaw, Gregory L. “Developing a Work at Home Policy.” Disaster Recovery Journal. Fall 2010.
8. Shaw, Gregory L. “The Hazards Risk Management Process.” Chapter 8 of Natural Hazards Analysis. (2009). CRC Press. Boca Raton, FL.

9. Shaw, Gregory L. and Harrald, John R. "The Core Competencies Required of Executive Level Business Crisis and Continuity Managers." Disaster Resource Guide. 11th Annual 2006/2007. pages 66 – 69. June 2006.
10. Shaw, Gregory L. and Harrald, John R. "The Core Competencies Required for Executive Level Business Crisis and Continuity Managers – the Results." Journal of Homeland Security and Emergency Management. Vol 3. Issue 1. Mar, 2006.
11. Shaw, Gregory L. "Business Crisis and Continuity Management." Chapter of - Disciplines, Disasters and Emergency Management Textbook. Federal Emergency Management Agency Higher Education Project. 2005. <http://training.fema.gov/EMIWeb/edu/collegecrsbooks.asp>
12. Shaw, Gregory L., "Risk and Risk Mitigation." Proceedings of the International Destination Risk Management Conference. Bogazici University, Istanbul. Turkey. June 7&8, 2004.
13. Shaw, Gregory L. and Harrald, John R. "Identification of the Core Competencies Required for Executive Level Business Crisis and Continuity Managers." Journal of Homeland Security and Emergency Management. Vol 1. Issue 1. Jan, 2004.
14. Jason R. W. Merrick J. R. W, van Dorp, J. R., Blackford, J. P., Shaw, G. L., Mazzuchi, T. A. and Harrald, J. R. "A Traffic Density Analysis of Proposed Ferry Service Expansion in San Francisco Bay Utilizing Maritime Simulation, Reliability Engineering and System Safety. 2003.
15. Harrald, J. R., Barbera, J., Renda-Tanali, I., Coppola, D., and Shaw, G. L. "Observing and Documenting the Inter- Organizational Response to the September 11th Attack on the Pentagon" NSF Report. July 2002.
16. Dr. John R. Harrald and Gregory Shaw, Training for Tomorrow – Natural Disaster Management, Pages 239 – 240.1999, Tudor Rose Holdings Limited
17. Shaw, G. L., Renda-Tanali, I., and Coppola, D., Assessment of Geospatial Technology Applications by the U.S. Army Corps of Engineers during World Trade Center Operations. GW Report, June 2002.