

2014) in Master's Division weight class; Head Coach Junior Black Knights Football-West Point, NY (2008-2009)

Courses Taught — Proactive System Security, University of Hawaii – West Oahu
— Information Technology Project Management, University of Hawaii – West Oahu
— Senior Project Capstone Course, University of Hawaii – West Oahu
— Senior Practicum Capstone Course, University of Hawaii – West Oahu
— Data Structures, US Military Academy
— Fundamentals of Computer Science, US Military Academy
— Theory and Practice of Military IT Systems, US Military Academy
— Academic Individual Advanced Development Course-Thailand, US Military Academy

Certifications, Memberships Certified Information Systems Security Professional (CISSP), (2012-Present)
Member of Association of Computing Machinery (ACM)

Employment History (2014-Present) Assistant Professor of Information Technology for the University of Hawaii –West Oahu. Directly responsible for excellence in teaching and the leadership and management of the Information Technology and Security concentrations under the Bachelor of Applied Science degree. Concentrations include Information Technology (IT); Computing, Electronics, and Networking Technology (CENT); and Information Security and Assurance (ISA).

(2013-2014) Branch Chief, Command, Control, Communications, and Cyberspace Strategy and Architecture directly responsible for research, experimentation, and integration of advanced network and information technologies in support of operations throughout the Asia-Pacific Region. Major projects include the development of the Pacific Command implementation of the Joint Information Environment, the Unified Command and Control Joint Concept Development Program, and the architecture supporting cyberspace situational awareness and network security throughout the region. These are multi-million dollar programs with funding support from numerous Department of Defense Agencies and research centers.

(2012-2013) Branch Chief, Cyberspace Fires and Effects, Joint Cyber Center Pacific directly responsible for planning, integration, and synchronization of cyberspace effects in full-spectrum operations for the Commander, U.S. Pacific Command. Demonstrated senior leadership abilities by developing and gaining approval of U.S. Pacific Command's first integrated list of cyberspace priorities. Recognized as the subject matter expert in cyberspace planning and execution during major cyberspace operations for both the Department of Defense and U.S. Pacific Command. Proven ability to coordinate with U.S. Government agencies, U.S. Cyber Command, and multiple cyberspace stakeholders both nationally and internationally to support the objectives of the U.S. government in both combat and peacetime operations.

(2011-2012) Chief of Cyberspace Operations, Joint Cyber Center Pacific developing processes to expertly synchronize offensive cyberspace operations, defensive cyberspace operations, cyber intelligence, and Department of Defense information network operations in support of military and stability operations throughout the Pacific Theater. Expertly lead and directed a team of over 30 military, civilian, and contract personnel to integrate network operations, satellite communications, network defense, and cyberspace operations as the Director of U.S. Pacific Command's Cyber Operations Center. A proven leader, partnering with U.S. Government agencies, government research laboratories, and commercial business partners to advance the development of cyberspace situational awareness tools, data mining, analytics of cyber threats, and defensible network solutions. Demonstrated poise and professionalism as the lead briefer for congressional delegations, congressional staffers, senior U.S. military leaders, and senior leaders of partner nations.

(2010-2011) Stability Transition Team Leader for the U.S. Department of State Provincial Reconstruction Team, Diyala Province, Iraq, demonstrating poise and professionalism in a combat zone, while coordinating reconstruction activities in partnership with the U.S. Department of State, Justice Department, Department of Agriculture, U.S. Agency for International Development, the Diyala Red Crescent, and the Iraqi Provincial Government. Managed over \$28 million of reconstruction projects including the reconstruction and establishment of the \$6 million Baqubah

Surgical Teaching Hospital, a major bank, and two market districts that had been completely destroyed by years of combat operations. Exceptional service resulted in the award of the U.S. Department of State Meritorious Honor Award approved by the U.S. Ambassador to Iraq.

(2008-2009) Deputy Director of the Computer Science Program, U.S. Military Academy at West Point, developing and improving curriculum, training, programming, research, and the execution of the Computer Science Program. Directly involved in the revision of the Computer Science Program objectives and desired outcomes, course scheduling, department management, and accreditation by the Computing Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET). The department's excellence in education was a key contributor to West Point's #1 ranking by Forbes' Magazine list of the best colleges in the country in August, 2009. This achievement resulted in the award of the Army Superior Unit Award to the staff and faculty for outstanding service from April 1st, 2008 through September 30th, 2009, molding the next generation of Army leaders.

(2007-2009) Assistant Professor of Computer Science, U.S. Military Academy at West Point, leading and training computer science and information technology majors. Courses taught include Data Structures, Fundamentals of Computer Science, Theory and Practice of Military IT Systems, and Academic Individual Advanced Development Course-Thailand. Designed and led both international studies and summer training for over 1,200 students, enhanced with tactical robots, to equip students to lead and incorporate technology. Committed to effective teaching inside and outside of the classroom by gaining funding for a \$30,000 program to lead an international partnership team in Thailand, two consecutive years, advancing computer skills, and creating life-changing opportunities for students. Additionally sponsored community events and expertly led the Junior Black Knights Football Team to the regional playoffs as head coach.

(2004) Graduate of the U.S. Army Command and General Staff College, Fort Leavenworth, KS.

(2000-2001) Joint Intelligence Center Pacific, HI, Chief of Systems Engineering leading a sixteen-person engineering division of military, contracted, and U.S. Government personnel to design, integrate, operate, and maintain over \$300 million of network equipment across seven security domains.

(1997-1998) Systems Analyst for the Deputy Chief of Staff for Combat Developments, U.S. Army Training and Doctrine Command developing requirements, design, and architecture of future combat and training systems.

(1995) Graduate of the U.S. Army Signal Center, Systems Automation Course, Fort Gordon, GA.

**Principle
Publications**

Chapman, M. (2015, September). *Planning for Malicious Activity on Communications Networks*. International Journal of Engineering & Research Technology (IJERT), Vol. 4 Issue 09, ISSN: 2278-0181.

Chapman, M. (2009, August 16). *International Education as the International Educator: A model to educate, train, and inspire United States Military Academy Cadets in cultural diversity through international service*. Paper presented at 6th Biennial Conference International Academy for Intercultural Research, Shidler College of Business, University of Hawai'i.

Chapman, M. (2009, July 9). Thai AIAD involved vocation and health training. *Pointer View*, p. 6.

Chapman, M. (2008, July 11). AIAD in Thailand: Cadets educate tribe students for better life. *Pointer View*, pp. 6-7.

Chapman, M. (2007). *A Rapid, Information-centric, Development (RAPID) Framework to Construct Multi-Lingual Textual Communications Systems in Support of Disaster Relief Operations*. Ann Arbor, MI: ProQuest Information and Learning Company, UMI No. 3264844.

Chapman, M. (2007). *An Ethnographic Study of a Rapidly Developed Multi-Lingual Textual Communications System in Support of Disaster Relief Operations in the Lahu Village of Nong*

Pham. Selected Papers from the Eleventh College-Wide Conference for Students in Languages, Linguistics, and Literature, University of Hawai'i.

Chapman, M. (2006). *A Conceptual Framework to Rapidly Construct Multi-Lingual Textual Communication Systems in Support of Disaster Relief Operations*. Paper presented at The Fifth East-West Center International Graduate Student Conference, Honolulu, HI.

Chapman, M. (2006). *Socio-Technical Capital in Bilingual Networks*. Selected Papers from the Tenth College-Wide Conference for Students in Languages, Linguistics, and Literature, University of Hawaii.

Awarded Grant Support

Cyber Security Workforce Development and the Protection of Critical Infrastructure (Awarded 7/28/2015). Office of Naval Research, Award Number N00014-15-1-2407, amount \$360,275. Matthew Chapman (PI), UHWO.

Extramural Enhancement of the STEM Workforce Pathway from Middle School to Higher Education in Computer Science, Computer Engineering, Mathematics, and Applied Sciences with Emphasis in Cyber-Related Studies (Awarded 9/15/2015). National Security Agency, Award Number BAA-004-15, amount \$28,000. Jodi Ito (Technical Contact), (Matthew Chapman, UHWO Project Manager, \$7,000).

Information Technology Network Vulnerability Analysis (Awarded 9/30/2015). Space and Naval Warfare Systems Center (SSC) Pacific, Technical Direction Letter Number TDL#0007 of Cooperative Agreement No. N66001-12-2-3005, Amount \$13,000. Matthew Chapman, UHWO (TDL#0007 PI).

Vocational and health training in Northern Thailand; Advanced Individual Academic Development Program. M. Chapman, Principle Investigator, United States Military Academy. \$30,000. 2009.

International training and service project in Northern Thailand; Advanced Individual Academic Development Program. M. Chapman, Principle Investigator, United States Military Academy Dean's Gift Fund. \$30,000. 2008.

Multi-lingual textual communication systems in support of disaster relief operations, M. Chapman, Principle Investigator, University of Hawai'i Arts and Sciences Advisory Council Award. \$2,500. 2006.

Conferences, Workshops, and Professional Development

- Chapman, M. (2015). Planning for Malicious Activity on Communications Networks. AFCEA TechNet Hawaii Conference, Hilton Hawaiian Village, Honolulu, Hawaii (November 17-19, 2015), *presenter and panel lead*.
- Cyberspace Operations Command and Control Process Mapping Workshop, Joint and Coalition Warfighting Center, Suffolk, VA, 2013, *participant*.
- Cyberspace Transitional Command and Control Workshop, Joint and Coalition Warfighting Center, Suffolk, VA, 2013, *participant*.
- Cyber and Net-centric Workshop, Massachusetts Institute of Technology, Lincoln Labs, 2012.
- Global Cyber Synchronization Conference, Fort Meade, MD, 2012, *participant*.
- Bilateral (US-Singapore) Information Assurance and Communications Interoperability Conference, *presenter and facilitator*, 2012.
- Trilateral (US, Japan, Republic of Korea) Information Assurance and Communications Interoperability Conference, *presenter*, 2012.
- Iraq Provincial Reconstruction Team Orientation Course, National Foreign Affairs Training Center, Foreign Service Institute, Washington D.C. 2010, *student and presenter*.
- 6th Biennial Conference International Academy for Intercultural Research, Shidler College of Business, University of Hawai'i, *presenter*, 2009.
- Electrical Engineering & Computer Science Faculty Workshop, USMA, NY, 2007.
- 11th College-Wide Conference in Languages, Linguistics, and Literature, HI, 2007.
- 10th College-Wide Conference in Languages, Linguistics, and Literature, HI, 2006.

- The Fifth East-West Center International Graduate Student Conference, Honolulu, HI, 2006.
- Space Orientation Course, Command and General Staff College, Leavenworth, KS, 2004.

**Military
Training
Highlights**

- Airborne Qualification
- Cold Weather Training Course
- Combat Lifesaver Certification
- Air Assault Qualification
- Rappel Master Qualification