Daniel C. Phelps
Curriculum Vitae

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Education

2005	Ph.D.	Information Studies	Florida State University
In-progress	M.S.	Respiratory Care	University of Texas HSCSA
2017	M.Ed.	Measurement, Evaluation, Statistics, and Assessment	University of Illinois at Chicago
2008	M.S.	Computer Science	James Madison University
1998	M.S.	Information Studies	Florida State University
2010	PGCert.	Information Systems and Operations (Curr. 271)	Naval Postgraduate School
1997	B.A.	Spanish	Florida State University
1995	Cert.	Respiratory Therapy Bridge Program	Thomas Technical College
1992	A.S.	Emergency Medical Service Technology	Tallahassee Community College

Certifications and Licenses

Information Systems Security Professional	NSTISSI No. 4011
Information Systems Security Officer	CNSSI No. 4014
Certified Information Systems Auditor	1299188
GIAC Certified Intrusion Analyst	11704
NBRC and FL Registered Respiratory Therapist	71899 & RT16565
NBRC Adult Critical Care Specialist	Renewal in 2023
Nationally Registered Paramedic (expired)	MP834193

Academic Experience

Carnegie Mellon University

2017 -	Co-Director, CMU-Q Statistical Consulting Center
2015 -	Program Director, Information Systems Program in Qatar
2015 -	Associate Teaching Professor
2009 -	Academic Advisor
2009 - 2015	Assistant Teaching Professor
2008 - 2009	Adjunct Assistant Teaching Professor

Florida State University - Panama City

2005 - 2006	Associate (Teaching Professor)
2002 - 2005	Assistant (Teaching Professor)

Florida State University

1999 - 2000	Academic and Prelaw Advisor
1998 - 2002	Teaching Assistant
1998 - 1999	Graduate/Computer Lab Assistant

Professional Experience

2013 - 2014   OIC ISR Assessments   U.S. Navy

Responsible for the development, implementation, use, and improvement of a comprehensive intelligence, surveillance, and reconnaissance (ISR) assessment program focusing on measures of performance and effectiveness of airborne ISR assets. This included the development, pre-testing, pilot testing, and final implementation of collection instruments, the identification and refinement of data collection processes, and the analysis and dissemination of the collected

data. Development, implementation, and analysis was done with R, Sharepoint, and VBA for applications.

2007 - 2009   Information Scientist   QCERT

Involved in research, management, and consulting in the establishment of a model computer security incident response capability for the nation of Qatar and the Gulf Cooperation Council. This includes the establishment of metrics for broadly quantifying information security at the nation/state level, consulting with defined critical infrastructure organizations to help them establish and maintain an information security program, providing both technical and management training in the area of information security, and assisting with general outreach initiatives throughout Qatar, the GCC, and MENA.

2007 - 2009   Member of the Technical Staff   Software Engineering Institute

Involved in research related to information system security through the Survivable Enterprise Management group of CERT. Specifically responsible for research with the Insider Threat Team that included investigating and applying theories established from the broad academic literature to ongoing research initiatives.

2005 - 2007   Primary Researcher   Information Technology Process Institute

Research lead on the IT Controls Benchmarking Survey, a survey and benchmark of current IT control practices that examines the nature of the relationship between IT controls, such as those described in ITIL and COBIT, and operational metrics related to access, operations, and security.

1985 - 2002   Emergency Medical and Respiratory Care Professional   New Jersey and Florida

Worked as an EMT in New Jersey from 1985 - 1987 before relocating to Florida where I initially worked as an ER Nurse Tech while completing Paramedic School. Worked as a paramedic in Pinellas County and North Florida from 1989 to 2002. Completed Respiratory Therapy program and became a CRT in 1995 and an RRT in 1998. Worked as Respiratory Therapist in North Florida from 1995 to 2002.

Military Experience

2006 -   Cryptologic Warfare Officer   U.S. Navy Reserve

Cryptologic Warfare Officers are responsible for ensuring information superiority through the application of Information Operations (IO) and Signals Intelligence (SIGINT) expertise. This includes working in the domains of Computer Network Operation, Military Deception, Electronic Warfare, Operations Security, and Psychological Operations.

9515	Communications Plans and Operations Officer	9680	Operational Intelligence
9517	Communication Security Officer	2085	Statistical Data Analyst
3283	School Administrator	3251	Instructor, Academic
9815	Operations Officer, Naval Security Group	3290	Training Officer
3215	Education/Training Officer		

2002 - 2006   Operational Intelligence Specialist   U.S. Air Force Reserve

Operational Intelligence Specialists (1NOX1) manage, develop, and evaluate all-source intelligence production.

1991 - 2002   Hospital Corpsman   U.S. Navy Reserve

Navy Hospital Corpsman assist in the diagnosis, treatment, and care of those in need. Corpsman are assigned throughout units in the Navy and Marine Corps.

8404   Field Medical Service Technician
8541   Respiratory Therapy Technician

1989 - 1990   Quartermaster   U.S. Navy Reserve

Quartermasters (QMs) are experts in navigation. QMs stand watch as assistants to the OOD, serve as helmsman, and maintain navigational charts, publications, and equipment.

Scholarly Activity

Working Papers

Phelps, D.C. (2017).
Programming Self-Efficacy Differentiated by Instructional Type

Phelps, D.C. (2017).
An Evaluation of Workman's Model of Psychological Motives for Corporate Harassment Differentiated by Construal of Self

Publications - Monographs

Workman, M., Phelps, D., Gathegi, J. (2012). Information Security for Managers. Sudbury, MA: Jones and Bartlett. ISBN13: 9780763793012

Workman, M., Phelps, D., & Workman, J. (2006). Management of Infosec and a Guide to the Center for Immigration and National Security CINSecL1. Atlanta, GA: CINS Publications, eAselworx Press. ISBN: 0964957590

Publications - Journals and Whitepapers

Phelps, D.C. (2015) Information System Security for the Psychologist: An Introduction to the Field. Call Signs Vol 5(2)

Workman, M., Phelps, D.C. & Hare, R.C. (2013) A Study of Performative Hactivist Subcultures and Threats to Businesses, Information Security Journal: A Global Perspective, 22:4, 187-200

Phelps, D., Gathegi, J., Workman, M., Heo, M. (2012). Information System Security: Self-Efficacy and Implementation Effectiveness. Journal of Information System Security. Vol 8(1)

Milne, Kurt; Phelps, Dan. (Dec 2008). IT Controls: Good for Operations. The Internal Auditor 65:6 pg. 80

Milne, K. and Phelps, D. (2008). Leveraging IT Controls To Improve IT Operating Performance. Institute of Internal Auditors Research Foundation

Cappelli, D.M., Moore, A.P., Phelps, D., Shaw, E.D., & Trzeciak, R.F. (2007). Research methodology for the CERT insider threat project: Modeling human behavior in cyberspace (FOUO). Pittsburgh, PA: CERT Program, Survivable Enterprise Management, Carnegie Mellon University

Milne, K. & Phelps, D., ITPI Research Report: IT Controls Performance Study. Information Technology Process Institute, June 2007

Phelps, D., Kim, G., & Milne, K. (2006). Initial Findings from the IT Controls Benchmarking Study. Information Technology Process Institute, WhitePaper Series, February 2006

Conference Presentations and Symposia

Phelps, D. "An Evaluation of Workman's Model of Psychological Motives for Corporate Harassment Differentiated by Construal of Self." Global IT Management Association Conference, St. Louis, MO, June 2015

Liginlal, D., Phelps, D., Lansine, K. "Tracking the Socio-Technical Barriers to Digital Identity Adoption in Arab Countries A Case Study of Qatar." 9th International Conference on E-Governance (ICEG-2012), Cochin, Kerala, India, 29-30 December 2012

Phelps, D. "Hactivism: Perceived Injustice, Group Efficacy, and Action Tendencies." 6th INTERPOL's Group meeting MENA Region, Doha, Qatar, 20 March 2012

Phelps, D. "Hactivism: Perceived Injustice, Group Efficacy, and Action Tendencies." QCERT - QITCOM, Doha, Qatar, 6 March 2012

Phelps, D. "A Process Approach to Security." Air Force Cyber Scientific Advisory Board, Boston, MA, 9 May 2007

Phelps, D. and Kim, G., "Phase Two of the IT Controls Benchmarking Survey." IT Service Management Forum Conference, Salt Lake City, UT, 18 -21 September 2006

Phelps, D. and Gathegi, J., "Information Security Self-Efficacy." Americas Conference on Information Systems (AMCIS), Mini Track: Socio-technical dimensions in IS Security, Acapulco, Mexico, 4 6 August 2006

Phelps, D. and Kim, G., "ITIL: Whats change got to do with it?" Information Systems Audit and Control Association (ISACA) 2006 International Conference, Adelaide, Australia, 31 July 2 August 2006

Phelps, D., "Change Control The Relationship Between IT Controls and Operational Measures." Securities Industry Association Technology Management Conference, New York, NY, 22 June 2006

Phelps, D. and Milne, K., "Understanding the Audit, Operations, and Security Performance Impact of IT Control Activities." Institute of Internal Auditors IT Audit Research Symposium, Austin, TX, 18 June 2006

Phelps, D., "IT Change Control: The Greatest Differentiator Between Good and Great." IT Service Management Forum Conference, Minneapolis, MN, 17 May 2006

Phelps, D. and Kim, G., "The Pareto Principle of IT Controls." IT Service Management Forum Conference, Cincinnati, OH, 27 April 2006

Phelps, D. and Kim, G., "Prioritizing Processes and Controls for Effective and Measurable Security." Nebraska INFRAGUARD Security Metrics Workshop, Omaha, NE, 13 April 2006

Senior Thesis Advisor

Layan Yousef Azem, 2017 - 2018
"Technology and Parents of Children with Autism"

Manisha Dareddy, 2017 - 2018
"Understanding the Usage of Technology Among University Students "

Umair Qazi, 2017 - 2018
"RISE: Real-time Information System for Emergency Detection"

Roda Al-Hor, 2016 - 2017
"The Effect of Displaying Trustmarks on E-Commerce in Qatar"

Marwa AlFakhri, 2012 - 2013
"The Effect of Displaying Privacy Information on The Arab Culture"

Fatema Akbar, 2012 - 2013
"What affects students acceptance and use of technology?"

Courses Taught

Carnegie Mellon University - Qatar

67-364 - Practical Data Science

67-475 - Innovation in Information Systems

67-272 - Application Design and Development

67-273 - Application Design and Development I

67-274 - Application Design and Development II

67-102 - Concepts of Information Systems

67-301 - Networks and Telecommunications

67-280 - Information System Security

67-313 - Information Systems Audit and Controls

Independent Study - Various

Florida State University - Panama City

LIS 4351 - Interface Design

LIS 4276 - Quantitative Methods in Information Studies

LIS 4482 - Managing Networks and Telecommunications

LIS 4642 - Electronic Information Sources and Services

LIS 3267 - Information Science

LIS 3602 - Information Sources and Services

LIS 3353 - Technologies for Information Services

Professional Activities

Carnegie Mellon University

Chair, MOI Police Training Committee, 2012 - 2013

Chair, Undergraduate Conference in Information Systems, 2010, 2011, 2012

Program Chair, Undergraduate Conference in Information Systems, 2015, 2016

AIS Student Chapter Faculty Advisor 2009-2012, 2014 - Present

> 2010 AIS Student Chapter Communication Award
> 2012 IT Risk Management Case Competition 1st Place Award

Member, Academic Advisors Committee, 2009 - Present

Member, Student Affairs hiring committee, 2015

Member, Librarian hiring committee, 2011 - 2012

Member, IS faculty hiring committee, 2011, 2012, 2015, 2017

Member, Head Librarian hiring committee, 2012

Member, Assistant to Associate Teaching Faculty Promotion Committee (x1)

Member, Outreach Review Committee, 2012

Member, Academic Review Board, 2012 - Present

Executive Education

IPv6 and IPSEC, 2013

Information System Security Data Analytics, 2015, 2017

Florida State University

Member hiring committee for College of Information (Fall 04)

Chaired hiring committee for IT faculty replacement (Fall/Spring 05/6)

Co-chaired faculty meetings (Fall 04 and Fall 05)

Member College of Information Undergraduate Committee (Fall 02 to Fall 06)

Reviewer

Journal of Information Privacy and Security, ISSN 1553-6548 (Print), 2333-696X (Online)

Journal of Information Systems Education, ISSN 1055-3096

International Journal of Human Resources Development and Management, ISSN 1465-6612

International Journal of Business Environment, ISSN 1740-0589

ICTO2018: Information and Communication Technologies for an inclusive world, Fall 2018

America's Conference on Information Systems (AMCIS), Spring 2014

America's Conference on Information Systems (AMCIS), Spring 2012

Hawaii International Conference on System Sciences (HICSS-43), 5-8 January, 2010

9th International Business Information Management Association Conference (IBIMA), Marrakech, Morocco 4-6 January 2008

International Conference on Information Systems (ICIS), Fall 2007

America's Conference on Information Systems (AMCIS), Spring 2006

Handbook of Information Security, H. Bigdoli, ed., John Wiley & Sons, 2005

ACM Special Interest Group for IT Education (SIGITE) conference, Fall 2005

Professional Society Memberships

Member, GIAC Advisory Board, 2016 - Present

Member, American Statistical Association, 2013 - Present

Associate, American Psychological Association, 2013 - Present

Member, Association for Information Systems, 2005 - Present

> Student Chapter Development Committee, 2010 - Present
>> Secretary, Student Chapter Development Committee, 2011 - Present
>> Co-Chair, Student Chapter Awards Committee, 2011 - 2012

Executive Committee and Founding Member, Qatar ISOC Chapter, 2011 - 2013

Member, National Cybersafety Committee, 2010 - 2015

Member, American Library Association, 2010 - 2014

Grants, Awards, & Honors

Submitted

(2014) Siponen, M., Phelps, D., Hakim, M., NPRP No.: 7-1179-1-211, "A New Theory to Explain What Makes Software Professionals to engage in Questionable Software Development Practices"

(2014) Siponen, M., Phelps, D., Hakim, M., NPRP No.: 7-920-1-167, "Stage Theory to Explain Employees' compliance with IS security procedures in organizations"

(2013) Siponen, M. and Phelps, D., NPRP No.: 6-554-5-055, "Understanding and Improving Employees' Compliance with IS Security Procedures in Organizations"

(2012) Liginlal, D., Phelps, D., Kaba, L., NPRP No.: 5-831-5-129, "Who Goes There? Tracking The Socio-Technical Barriers To Digital Identity Adoption In Qatar"

(2011) Liginlal, D., Phelps, D., Kaba, L., NPRP No.: 4-1016-2-380, "Tracking the socio-technical and religious barriers to RFID adoption in the healthcare sector in Qatar"

Received

2017 Phi Kappa Phi

2017 Psi Chi

2014 Golden Key

2010 SEED Research Funding awarded by Carnegie Mellon University

2007 Assisted in securing over $1,000,000 towards research project

2006 $107,000 Research Grant from IIA

2006 Travel Grant IIA International Conference Research Symposium

1998 Beta Phi Mu