

MARK STOCKMAN

Associate Professor, Information Technology
University of Cincinnati

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PUBLICATION HIGHLIGHTS (33 TOTAL)

Stockman, M., Heile, R., & Ren, A. (2015). An Open-Source Honeynet System to Study System Banner Message Effects on Hackers. ACM/SIGITE Research in IT Conference '15 Proceedings and the ACM Digital Library.

Stockman, M. (2011). Remotely Accessible Systems for the Computing Sciences Disciplines. In Azad, A., Auer, M., & Harward, J. (Eds.), *Internet-Based Remote Laboratories: Scalable E-Learning Tools for Engineering and Science Disciplines* (pp. 380-396). Hershey, PA: IGI Global Publishing.

Stockman, M. (2003). Creating Remotely Accessible “Virtual Networks” on a Single PC to Teach Computer Networking and Operating Systems. ACM/SIGITE Conference for Information Technology Curriculum IV Proceedings and the ACM Digital Library. (Third highest citation count of any IT publication in ACM DL)

PRESENTATION HIGHLIGHTS

2015 NKU CyberSecurity Symposium, Highland Heights, KY. Stop Thief! Applying Data Driven Crime Prevention Methods to Cyber. (Invited Presentation)

American Society of Criminology 70th Annual Meeting, San Francisco, CA. Hacking Life-course Cybercriminology: US and Indian samples. (Lead author with Qureshi, H., Holt, T., Mackey, W., & Holiday, M.)

Association for Computing Machinery, Special Interest Group for Information Technology Education (ACM/SIGITE) Research in IT Conference 2012, Calgary, Ontario, CA. Defining IT Research. (Panel with Friedman, R., Reichgelt, H., Agresti, W., & Ekstrom, J.)

Service Research and Innovation Institute (SRII) Conference 2011, San Jose, CA. University Research and New Curriculum Panel. (Invited Expert Panel with Spooner, J., Hofmann, P., Pate-Cornell, E., Maldonado, T., and Reisman, S.)

GRANTS AWARDED VALUE: \$1.6 Million+ (money/hardware/software/training)

TEACHING

Each course includes significant original hands-on, active learning components.

| | | |
|-------------------------------|-------------------------------|-------------------------------------|
| Cloud Computing | Cyberattack Red Team | System Administration |
| Network Security | Collaborative Seminar | Enterprise System Administration |
| Cybercriminology (Sp. Topics) | Senior Design Tech. Practicum | Honeypots in the Cloud (Sp. Topics) |

SERVICE HIGHLIGHTS

CSAB Criteria Committee, CSAB (Computing Sciences Accreditation Board) – Invited by the President of CSAB to serve on a committee to reassess international accreditation criteria for and recommend changes to computing programs (computer science, information systems, and information technology).
November 2011 - Present

Chair, ACM-SIGITE (Association for Computing Machinery, Special Interest Group for Information Technology Education). Elected as principal officer of primary international association of information technology academics, also serving on the ACM SIG Governing Board. ACM is the world’s largest computing society.
July 2009 – July 2012

Cybersecurity Expert, Local News Outlets (WVXU NPR affiliate, Local 12, Fox 19, WLWT Channel 5, Enquirer). Called upon by local news sources for interviews for both print pieces and on camera/radio segments.
April 2013 - Present

EDUCATION**PhD Studies, Criminal Justice (2011-Present)**

40 credit hours completed, statistics and research methods proficiency exams passed
College of Education, Criminal Justice, and Human Services
University of Cincinnati, Cincinnati, OH

Master of Business Administration, 1994

College of Business
Ohio University, Athens, OH

Bachelor of Science, Industrial and Systems Engineering [cum laude], 1992

Russ College of Engineering and Technology
Ohio University, Athens, OH

PROFESSIONAL EXPERIENCE

University of Cincinnati, College of Education, Criminal Justice, & Human Services, Cincinnati, OH
September 2007 - Present
Associate Professor, Information Technology

Ohio University, Lancaster, OH
July 1996 - August 2001

Director of Computer Services and Instructional Technology, Lancaster Campus

University of Cincinnati, College of Applied Science, Cincinnati, OH
September 2001 – September 2007
Assistant Professor, Information Technology

School Study Council of Ohio (SSCO), Columbus, OH
January 1995 - April 1996
Information Specialist

Ohio University, Athens, OH
July 2000 - August 2001
Special Assistant to the Vice President, Regional Higher Education (RHE)

Ohio University, College of Business, Management Information Systems Department, Athens, OH
September 1992 - June 1994
Graduate Assistant

AFFILIATIONS

American Society of Criminology (ASC)
Association for Computing Machinery (ACM)
Association for Computing Machinery, Special Interest Group for Information Technology Education (ACM-SIGITE)
Cincinnati Networking Professionals Association (CINPA)
Information Systems Audit and Control Association (ISACA)
InfraGard, Cincinnati Chapter (U.S. Department of Justice, FBI)
White Collar Crime Research Consortium

AWARDS/RECOGNITIONS**Darwin T. Turner Scholars Program Breakfast of Champions Awardee – 2015 University of Cincinnati Ethnic Programs and Services**

Selected by Darwin T. Turner scholar as “someone who deserves to be acknowledged for their hard work and dedication.”

Certificate of Appreciation – 2015 CSAB (Computing Sciences Accreditation Board)

Recognized by CSAB (lead society for accreditation of degree programs in computing) for “outstanding work toward updating the ABET Criteria for Accrediting Computing Programs.”

Golden Apple Award - 2014 University of Cincinnati College of Education, Criminal Justice, and Human Services

Selected by students as an outstanding faculty member for excellence in teaching and student-faculty relations.

AWARDS/RECOGNITIONS - Continued**Faculty Recognition Award - 2011 Commencement, University of Cincinnati**

Student nominated and recognized for contributions in helping students reach their educational goals at the University of Cincinnati, playing a special role in motivating, inspiring, or encouraging graduates.

Recognition of Service Award – 2009 Association for Computing Machinery (ACM)**Faculty Bonus Award (Teaching & Scholarship) – 2007 UC College of Applied Science**

For outstanding work related to individual teaching activities and individual scholarship activities. Bonuses recommended by the Department Head of Information Technology and the Dean of the College of Applied Science then approved by the University Provost.

Faculty Recognition – 2006 UC College of Applied Science Recognition Reception

Recognized for achievement in obtaining external funding. Awarded \$5,000 in scholarship money for undergraduates in Information Technology by outside donors of the College of Applied Science.

PUBLICATIONS

Stockman, M., Nedelec, J., & Mackey, W. (2016). Organizational Cybervictimization: Data Breach Prevention Using a Victimological Approach in Holt, T. (Ed), *Cybercrime: Integrating Social and Technical Science Perspectives* (tentative title). London: Routledge. (Invited chapter authorship).

Stockman, M., Heile, R., & Ren, A. (2015). An Open-Source Honeynet System to Study System Banner Message Effects on Hackers. ACM/SIGITE Research in IT Conference '15 Proceedings and the ACM Digital Library.

Stockman, M. (2014). Insider Hacking: Applying Situational Crime Prevention to a New White-Collar Crime. Association for Computing Machinery, Special Interest Group for Information Technology Education (ACM/SIGITE) Research in IT Conference '14 Proceedings and the ACM Digital Library.

Stockman, M. (2013). Infusing Social Science into Cybersecurity Education. Association for Computing Machinery, Special Interest Group for Information Technology Education (ACM/SIGITE) Conference on IT Education '13 Proceedings and the ACM Digital Library.

Patterson, B., Granger, M., Impagliazzo, J., Sobiesk, E., Stockman, M., (2013). Should IT2008 be Revised? Association for Computing Machinery, Special Interest Group for Information Technology Education (ACM/SIGITE) Conference on IT Education '13 Proceedings and the ACM Digital Library.

Alexander, J., Dick, A., Hacker, J., Hicks, D., & Stockman, M., (2012). Building a Cloud Based Systems Lab. Association for Computing Machinery, Special Interest Group for Information Technology Education (ACM/SIGITE) Conference on IT Education '12 Proceedings and the ACM Digital Library.

Friedman, R., Reichgelt, H., Agresti, W., Stockman, M. & Ekstrom, J. (2012) Defining IT Research. Association for Computing Machinery, Special Interest Group for Information Technology Education (ACM/SIGITE) Research in IT Conference 2012 Proceedings and the ACM Digital Library.

Eaves, A. & Stockman, M. (2012). Desktop as a Service Proof of Concept. Association for Computing Machinery, Special Interest Group for Information Technology Education (ACM/SIGITE) Conference on IT Education '12 Proceedings and the ACM Digital Library.

Stockman, M. (2011). Remotely Accessible Systems for the Computing Sciences Disciplines. In Azad, A., Auer, M., & Harward, J. (Eds.), *Internet-Based Remote Laboratories: Scalable E-Learning Tools for Engineering and Science Disciplines* (pp. 380-396). Hershey, PA: IGI Global Publishing.

PUBLICATIONS - Continued

Stockman, M., & Nyland, J. (2010). A Teaching Pedagogy for Networking/System Administration Courses; Freshman through Senior Years. Association for Computing Machinery, Special Interest Group for Information Technology Education (ACM/SIGITE) Conference '10 Proceedings and the ACM Digital Library.

Jonanovic, V., Mirzoev, T., Toderick, L., and Homkes, R. (2010). Engaging Students in Information Storage Management Courses. Association for Computing Machinery, Special Interest Group for Information Technology Education (ACM/SIGITE) Conference '10 Proceedings and the ACM Digital Library.

Stockman, M., Leung, S., Nyland, J. & Said, H. (2006). The Information Technology Minor: Filling a Need in the Workforce of Today. Association for Computing Machinery, Special Interest Group for Information Technology Education (ACM/SIGITE) Conference '06 Proceedings and the ACM Digital Library.

Frank, C., Werner, L., and Stockman, M. (2006). Information Technology as an Alternative to Computer Science, panel abstract. Journal of Computing Sciences in Colleges, Papers of the Thirteenth Annual CCSC Midwestern Conference, Vol. 22 Number 1.

Stockman, M., Nyland, J. & Weed, W. (2005). Centrally Stored and Delivered Virtual Machines in the Networking/System Administration Lab. Association for Computing Machinery, Special Interest Group for Information Technology Education (ACM/SIGITE) Summer 2005 Newsletter, Vol. 2 Number 2.

Stockman, M., Said, H., Leung, S., Christopherson, & Nyland, J. (2004). An Implementation of a Networking Track in an Information Technology Degree Program. Association for Computing Machinery, Special Interest Group for Information Technology Education (ACM/SIGITE) Conference '04 Proceedings and the ACM Digital Library.

Stockman, M., Said, H., Leung, S., Chaytor, L., Christopherson, C., Geonetta, S., Humpert, D., Kumpf, P., McMahon, R., Nyland, J., Prabhakar, A., Sanyal, T., Schlemmer, R., Tadayon, V., & Wulf, T. (2004). An Implementation of Secondary Tracks in an Information Technology Degree Program. Association for Computing Machinery, Special Interest Group for Information Technology Education (ACM/SIGITE) Conference '04 Proceedings and the ACM Digital Library.

Leung, S., Said, H., & Stockman, M. (2004). Enroute to Making an IT Baccalaureate Program. Association for Computing Machinery, Special Interest Group for Information Technology Education (ACM/SIGITE) Conference '04 Proceedings and the ACM Digital Library.

Said, H., Stockman, M., Leung, S., Chaytor, L., Christopherson, C., Geonetta, S., Humpert, D., Kumpf, P., McMahon, R., Nyland, J., Prabhakar, A., Sanyal, T., Schlemmer, R., Tadayon, V., & Wulf, T. (2004). An Implementation of a Core Curriculum in an Information Technology Degree Program. Association for Computing Machinery, Special Interest Group for Information Technology Education (ACM/SIGITE) Conference '04 Proceedings and the ACM Digital Library.

Said, H., Leung, S., Stockman, M., McMahon, R., Prabhakar, A., Wulf, T., & Sanyal, T. (2004). An Implementation of a Software Development Track in an Information Technology Degree Program. Association for Computing Machinery, Special Interest Group for Information Technology Education (ACM/SIGITE) Conference '04 Proceedings and the ACM Digital Library.

Said, H., Stockman, M., & Wulf, T. (2004). Summer Outreach Program for High School Students: Results of the Second Year Implementation. American Society for Engineering Education (ASEE) 2004 Annual Conference & Exposition Proceedings.

Stockman, M., & Wulf, T. (2004). Using Learning Objects to Enhance the Systems Administration Lab. Association for Computing Machinery, Special Interest Group for Information Technology Education (ACM/SIGITE) Spring 2004 Newsletter, Vol. 1 Number 2.

PUBLICATIONS - Continued

Stockman, M. (2003). Creating Remotely Accessible “Virtual Networks” on a Single PC to Teach Computer Networking and Operating Systems. Association for Computing Machinery, Special Interest Group for Information Technology Education (ACM/SIGITE) Conference for Information Technology Curriculum IV Proceedings and the ACM Digital Library.

Wulf, T., Said, H., Stockman, M. and Willis, J. (2003). Granting a Digital Voice: Teaching Flash MX to High School Students in a Summer Enrichment Project. 2003 Interactive Media Forum: Identity & Cultures in Cyberspace Proceedings. (Published with Undergraduate Student – Willis, J.)

Said, H., Wulf, T., McClintock, S., & Stockman, M. (2002). Developing Curriculum for the Summer Academy of Information Technology. Society for Information Technology Education, Conference for Information Technology Curriculum Conference III Proceedings.

Hoyt, B., & Stockman, M. (2001). Research Findings on a Virtual Training Center – Measuring Web Based Training as an Effective Project Management Facilitation Intervention. Association for the Advancement of Computing in Education, WebNet 2001 Conference Proceedings.

Hoyt, B., & Stockman, M. (2001). The Virtual Business Training Center-Online Platform for Students and Businesses. AURCO Journal Spring 2001, Vol. 6, No. 1, pp. 103-110.

Hoyt, B., & Stockman, M. (2001). Multi-Tier Online Interventions: Forging Partnerships with a Virtual Business Training Center. Association of Small Computer Users in Education (ASCUE), ASCUE 2001 Conference Proceedings.

Hoyt, B., Stockman, M., & Blackston, P. (2000, July-September). B2B Online Relationships: Online Ordering Systems. WebNet Journal, Vol 2, No. 3, pp. 17-22.

Hoyt, B., Stockman, M., & Becker, J. (1999, October-December). A Virtual Business Training Center - Building an Online Incubation Site for Virtual Corporate University. WebNet Journal, Vol. 1, No. 4, pp. 20-23.

Hoyt, B., & Stockman, M. (1999, July-September). Driving Business Projects by Facilitating Interaction and Access Using Multi-Tiered Technology Interventions. WebNet Journal, Vol. 1, No. 3, pp. 22-26.

Hoyt, B., & Stockman, M. (1999, April-June). Making Connections With Your Virtual Project Teams. WebNet Journal, Vol. 1 No. 2, pp. 20-23.

Hoyt, B., & Stockman, M. (1999). Multi Tiered Technology Interventions: The Virtual Business Training Center. North America Web Technology 1999 International Conference Proceedings.

Hoyt, B., & Stockman, M. (1998). Virtual Student Teams Facilitating Projects Using Distance-Based Conferencing Tools. International Society for Technology in Education Association 1998 International Conference Proceedings.

Hoyt, B., Stockman, M., & Thalmann, J. (1997). Off Site Project Management Using Desk Top Video Conferencing. Association of Small Computer Users in Education 1997 National Conference Proceedings.

PRESENTATIONS

2015 NKU CyberSecurity Symposium, Highland Heights, KY. Stop Thief! Applying Data Driven Crime Prevention Methods to Cyber. (Invited Presentation)

Association for Computing Machinery, Special Interest Group for Information Technology Education (ACM/SIGITE) Research in IT Conference 2015, Chicago, IL. An Open-Source Honeynet System to Study System Banner Message Effects on Hackers. (Co-Presented with Heile, R., & Ren, A.)

PRESENTATIONS - Continued

Cincinnati Bell Technology Solutions Red's Briefing, Cincinnati Infragard Digital Forensics Working Group. More Time...Less Crime: Data breach prevention using a criminological approach. (Invited presentation with Mackey, W.)

American Society of Criminology 70th Annual Meeting, San Francisco, CA. Hacking Life-course Cybercriminology: US and Indian samples. (Lead author with Qureshi, H., Holt, T., Mackey, W., & Holiday, M.)

Association for Computing Machinery, Special Interest Group for Information Technology Education (ACM/SIGITE) Research in IT Conference 2014, Atlanta, GA. Insider Hacking: Applying Situational Crime Prevention to a New White-Collar Crime.

Ohio Higher Education Computing Conference, Kent State University, Kent, OH. University of Cincinnati School of Information Technology Virtual Sandbox. (Co-Presented with Gerst, J.)

Interdisciplinary Conference on Cybercrime, Michigan State University, East Lansing, MI. Cyberdeviance: who, when, why, and why not? A study in life-course Cybercriminology. (Invited presentation, inaugural conference)

Black Data Processing Associates (BDPA) Cincinnati Blacks in Technology Meetup, Cincinnati, OH. Overview of Cloud Computing. (Invited presentation)

American Society of Criminology 69th Annual Meeting, Atlanta, GA. Hacking the age-crime curve: A study in life-course Cybercriminology. (Lead author with Holt, T., Mackey, W., & Holiday, M.)

Institute of Electrical and Electronics Engineers (IEEE), 2013 Frontiers in Education Conference, Oklahoma City, OK. Future Directions for the Computing Accreditation Criteria – A Discussion with the Computing Community. (Representing the Computing Sciences Accreditation Board)

Association for Computing Machinery, Special Interest Group for Information Technology Education (ACM/SIGITE) Conference on IT Education 2013, Orlando, FL. Infusing Social Science into Cybersecurity Education.

Association for Computing Machinery, Special Interest Group for Information Technology Education (ACM/SIGITE) Conference on IT Education 2013, Orlando, FL. Should IT2008 be Revised? (Panel with Patterson, B., Granger, M., Impagliazzo, J., Sobieski, E.)

University of Cincinnati, Clermont College, 3T: Teaching, Techniques, & Technology Conference, Batavia, OH. Avoiding Communication and Technical Hurdles: Blackboard Automation with Facebook and Personal Course Templates.

Association for Computing Machinery, Special Interest Group for Information Technology Education (ACM/SIGITE) Conference on IT Education 2012, Calgary, Ontario, CA. Building a Cloud Based Systems Lab.

Association for Computing Machinery, Special Interest Group for Information Technology Education (ACM/SIGITE) Research in IT Conference 2012, Calgary, Ontario, CA. Defining IT Research. (Panel with Friedman, R., Reichgelt, H., Agresti, W., & Ekstrom, J.)

Association for Computing Machinery, Special Interest Group for Information Technology Education (ACM/SIGITE) Conference on IT Education 2012, Calgary, Ontario, CA. Desktop as a Service Proof of Concept. (Poster with undergraduate student Eaves, A.)

Service Research and Innovation Institute (SRII) Conference 2011, San Jose, CA. University Research and New Curriculum Panel. (Invited Expert Panel with Spooner, J., Hofmann, P., Pate-Cornell, E., Maldonado, T., and Reisman, S.)

PRESENTATIONS - Continued

Association for Computing Machinery, Special Interest Group for Information Technology Education (ACM/SIGITE) Conference 2010, Midland, MI. A Teaching Pedagogy for Networking/System Administration Courses; Freshman through Senior Years.

Association for Computing Machinery, Special Interest Group for Information Technology Education (ACM/SIGITE) Conference 2010, Midland, MI. Engaging Students in Information Storage Management Courses. (Panel with Jonanovic, V., Mirzoev, T., Toderick, L., and Homkes, R.)

itWORKS.OHIO Conference, 2010, Columbus, OH. National Guidelines for Undergraduate Information Technology Degree Programs. (Co-Presented with Delisio, D.)

Accrediting Board for Engineering and Technology (ABET) Best Assessment Process Symposium 2009, Indianapolis, IN. Assessment Process for the Information Technology Program at the University of Cincinnati. (Co-Presented with Said, H.)

Association for Computing Machinery, Special Interest Group for Information Technology Education (ACM/SIGITE) Conference 2006, Minneapolis, MN. The Information Technology Minor: Filling a Need in the Workforce of Today.

CCSC (Consortium for Computing Sciences in Colleges) Midwest Conference 2006, Greencastle, IN. Information Technology as an Alternative to Computer Science. (Panel Discussion with Frank, C. and Werner, L)

Association for Computing Machinery, Special Interest Group in Information Technology Education (ACM-SIGITE) Conference 2005, Newark, NJ. Virtual Machines in the Networking/System Administration Lab and Classroom. (Half-day Workshop Co-presented with Nyland, J.)

2004 Interactive Media Forum: Creative Space|Digital Space, Oxford, OH, October 2004. Beyond PowerPoint: Dynamic, Digital Image Presentation for Art History Courses. (Poster Session Co-presented with Stockman, K.)

Association for Computing Machinery, Special Interest Group in Information Technology Education (ACM-SIGITE) Conference 2004, Salt Lake City, UT. An Implementation of a Networking Track in an Information Technology Degree Program.

Association for Computing Machinery, Special Interest Group in Information Technology Education (ACM-SIGITE) Conference 2004, Salt Lake City, UT. An Implementation of Secondary Tracks in an Information Technology Degree Program. (Co-presented with Wulf, T. and McMahon, R.)

Association for Computing Machinery, Special Interest Group in Information Technology Education (ACM-SIGITE) Conference 2004, Salt Lake City, UT. An Implementation of a Core Curriculum in an Information Technology Degree Program. (Co-presented with Said, H.)

Association for Computing Machinery, Special Interest Group in Information Technology Education (ACM-SIGITE) Conference 2004, Salt Lake City, UT. Enroute to Making an IT Baccalaureate Program. (Co-presented with Said, H.)

Association for the Advancement of Computing in Education (AACE), E-Learn: World Conference on E-Learning in corporate, Government, Healthcare, & Higher Education, Phoenix, AZ, November 2003. The Remotely Accessible and Readily Expandable Networking Lab: Using Virtual Systems Technology in Combination with Remote Control Software.

Association for the Advancement of Computing in Education (AACE), E-Learn: World Conference on E-Learning in corporate, Government, Healthcare, & Higher Education, Phoenix, AZ, November 2003. Remoting Technologies: Removing Hurdles in Computer Based Instruction.

PRESENTATIONS - Continued

Association for Computing Machinery, Special Interest Group for Information Technology Education (ACM-SIGITE), Conference for Information Technology Curriculum IV, Lafayette, IN, September 2003. Creating Remotely Accessible “Virtual Networks” on a Single PC to Teach Computer Networking and Operating Systems.

American Society for Engineering Education (ASEE), 2nd ASEE International Colloquium on Engineering Education, Nashville, TN, June 2003. University/Community Partnership through Senior Design Projects. (Co-presented with: Rabiee, M. and Kreppel, M.)

Association for the Advancement of Computing in Education (AACE), WebNet 2001: World Conference on the WWW and Internet, Orlando FL, October 2001. Research Findings on a Virtual Training Center – Measuring Web Based Training as an Effective Project Management Facilitation Intervention.

N.A. Web '99 Web-based Learning: What Works and Why!, The Fifth International North America World Wide Web Conference, New Brunswick Canada, October 1999. Multi Tiered Technology Interventions: The Virtual Business Training Center, an Online Corporate University (Co-presented with Hoyt, B.)

International Society for Technology in Education (ISTE), Tel-Ed 1998 International Conference on Telecommunications and Multimedia in Education, New Orleans LA, October 1998. Virtual Student Teams Facilitating Projects Using Distance-Based Conferencing Tools (Half-day workshop co-presented with Hoyt, B.)

Association of Small Computer Users in Education Conference, Myrtle Beach SC, June 1997. Design and Implement Custom Electronic Performance Support Systems (EPSS) for Training in Project Based Classes (Co-presented with Hoyt, B. and Thalmann, J.)

GRANTS (PI unless otherwise noted)

Pending

NSF Secure and Trustworthy Cyberspace Grant (Social, Behavioral and Economic Sciences perspective). Why were we p0wned? Development and test of new theories towards prevention of organizational cybervictimization.
\$475,000

Co-Pi with Nedelec, J.

Awarded January 2015

Faculty Development Grant – UC Internal
An Interdisciplinary Cybersecurity Program of Applied Learning and Research
\$10,245

Co-Pi with Harknett, R. & Nedelec, J.

Declined

NSF Secure and Trustworthy Computing EAGERS Enabling New Collaborations Grant
Why were we p0wned? An interdisciplinary assessment and test of data breach incidents among businesses and organizations
\$250,000

Co-Pi with Nedelec, J.

Awarded October 2014

Microsoft Azure Educator Grant
\$42,400 (service list price)

Awarded March 2014

IT Innovation Lab – UC School of IT Internal
Creation of a Honeypot System for the Direct Study of Cybersecurity
\$7,200

Pi with Nedelec, J.

Awarded March 2015

Microsoft Azure Educator Grant
\$42,400 (service list price)

Awarded May 2013

UC Forward Advanced Collaborative Seminar Grant
Cyberattack Red Team Collaborative Seminar
\$10,000 (Continuation)

Collaborator with Harknett, R. & Said, H.

Awarded March 2015

Faculty Development Grant – UC Internal
An Interdisciplinary Cybersecurity Program of Applied Learning and Research
\$1,090

Awarded March 2013

IT Innovation Lab - Department of IT Internal
Hacker Database for Cybersecurity Research
\$1,200

GRANTS – Continued

Awarded December 2012

Faculty Development Grant – UC Internal
Penetration Testing - Strengthening UC's
Interdisciplinary Cybersecurity Curriculum
\$3,998

Awarded May 2012

UC Forward Advanced Collaborative Seminar Grant
Cyberattack Red Team Collaborative Seminar
\$9,137

Collaborator with Harknett, R. & Said, H.

Awarded January 2012

Faculty Development Grant – UC Internal
Cloud Computing Skills Development
\$3,500

Awarded January 2011

Faculty Development Grant – UC Internal
Advanced Networking Development in Preparation
for Semesters and Restructuring
\$1,000

Awarded December 2010

URC Faculty Research Grant – UC Internal
An Investigation into VDI for Consumers
\$8,000 Summer Stipend

Declined February 2010

US Department of Health and Human Services
National Dissemination Center for Health
Information Technology
Collaborator

Awarded January 2009

Faculty Development Grant – UC Internal
Preparing for the Next Generation Computer
Network (IPv6)
\$3,995

Awarded February 2008

EMC Corp. Storage Technology Foundations
Bootcamp Training
Five days of technical training, tuition free
\$4,000 (estimated value)

Awarded January 2008

Faculty Development Grant – UC Internal
Updating Proficiencies for Changing Technologies
\$2,790

Awarded March 2007

Faculty Development Grant – UC Internal
Computer Forensics Development
\$4,950

Awarded December 2005

Opnet University Program Software Grant
\$1.3 million (software list price)
Co-Pi with Nyland, J.

Awarded May 2005

Faculty Development Grant – UC Internal
In-depth investigation into network security
\$4,950

Declined March 2005

National Science Foundation
Education of Wireless Sensor Networks
Co-Pi with Saad, A., Jeanetta, J., Peterson, M.

Awarded February 2005

Cisco Networks Critical Infrastructure Assurance
Group (CIAG) Equipment Donations Grant
\$100,452 (equipment list price)
Pi with Wulf, T., Nyland, J.

Awarded February 2005

ISS (Internet Security Systems) Equipment Donation
\$12,438 (equipment list price)
Pi with McGlaughlin, K.

Awarded June 2004

Cisco Networks Critical Infrastructure Assurance
Group (CIAG) Security Bootcamp Training
Four days of technical training, tuition free
\$4,000 (estimated value)

Awarded May 2004

Faculty Development Grant – UC Internal
Advanced Networking Topics Development
\$2,500

Awarded January 2004

Information Technology and Instructional Equipment
(ITIE) Grant - UC Internal
\$43,520
Co-Pi with Said, H., Leung, S.

Awarded November 2003

Success Challenge Retention Grant – UC Internal
Students' Transition as a Result of CSI
\$19,143
Co-Pi with Said, H., Leung, S.

GRANTS – Continued

Awarded May 2003

Faculty Development Grant – UC Internal Support for Teaching and Research
\$3,190

Awarded May 2002

Faculty Development Grant – UC Internal Support for Teaching and Research
\$5,000

Awarded 2001

Technology Initiative Package Category IV Research Grant - State of Ohio

Interactive web-based training interventions and successful project management.

\$9,000

Co-Pi with Hoyt, B.

Awarded 1998/1999

Technology Initiative Package Grants - State of Ohio

Design of multiple technology platforms to be used for project based classes.

\$21,000

Co-Pi with Hoyt, B.

OTHER SCHOLARSHIP ACTIVITIES

Manuscript Reviewer, *Security Journal*

May 2013 – Present

Program Committee, ACM-SIGITE (Association for Computing Machinery, Special Interest Group for Information Technology Education) Conference on IT Education.

2008 - Present

Program Committee, ACM-SIGITE (Association for Computing Machinery, Special Interest Group for Information Technology Education) Conference on Research in IT.

2012 - Present

Editorial Board, *Transactions on IT Research*, peer-reviewed electronic publication (www.transitr.org).

March 2012 – March 2013

Invited Blogger, *ACM Inroads*, website of the Association of Computing Machinery's magazine

(inroads.acm.org) whose goal is to generate new 'inroads' in the theory and practice of computing education and to share those discoveries by fostering dialogue, cooperation, and collaboration with educators worldwide.

December 2012 – May 2013

Textbook/Manuscript Review, *The Complete Guide to Linux System Administration*, Course Technology

February 2012 – June 2012

Editorial Board, *Research in IT*, ACM-SIGITE (Association for Computing Machinery, Special Interest Group for Information Technology Education) semi-annual peer-reviewed electronic publication.

September 2005 – March 2012

Book Chapter Review, *Internet-Based Remote Laboratories: Scalable E-Learning Tools for Engineering and Science Disciplines*, IGI Global Publishing

July 2010 – September 2010

Textbook/Manuscript Review, *Guide to Networking Essentials*, Thompson Learning

September 2006 - May 2007

Program Committee, ACM-SIGITE (Association for Computing Machinery, Special Interest Group for Information Technology Education), CITE IV (Conference for Information Technology Curriculum).

June 2003 - August 2003

SERVICE

Program Evaluator, CSAB/ABET (Computing Sciences Accreditation Board/Accreditation Board for Engineering and Technology) – Selected and trained as a CSAB/ABET Program Evaluator to visit and make accreditation recommendations for computing programs to be accredited under the appropriate CSAB/ABET guidelines.

July 2009 – Present

Joint Computing Criteria Steering Committee, CSAB/ABET (Computing Sciences Accreditation Board/Accreditation Board for Engineering and Technology) – Invited to serve as a select member representing Information Technology on a committee to reassess the general accreditation criteria of computing programs for ABET.

November 2011 - Present

CSAB Criteria Committee, CSAB (Computing Sciences Accreditation Board) – Invited by the President of CSAB to serve as a select member representing Information Technology on a committee to reassess the program specific accreditation criteria of computing programs.

November 2011 - Present

Security Consultant, Incident Response Team (Office of Information Security, University of Cincinnati) – Team of individuals lead by the Chief Security Officer responsible for responding to, containing, eradicating, and recovering from a major Cyber Attack or breach at the university.

November 2011 - Present

Faculty Advisor, Cybercrime Cats, University of Cincinnati - Student group interested in issues related to cybersecurity.

October 2012 - Present

Accreditation Committee, Cyber Education Project (CEP). An initiative supported by a diverse group of computing professionals representing academic institutions and professional societies to develop undergraduate curriculum guidelines and a case for accreditation for a baccalaureate in "Cyber Science."

July 2014 – Present

IT 2017 Writing Committee, ACM (Association for Computing Machinery) - Member of committee charged with leading effort towards modification of the IT 2008 Curriculum Guidelines for Undergraduate Degree Programs in Information Technology as liaison to ABET/CSAB Criteria Committee.

September 2014 – Present

Forensics Expert Volunteer, Ohio Innocence Project, University of Cincinnati, College of Law – Provide expertise towards analysis of digital evidence.

February 2015 – Present

CSAB IT Program Evaluator Candidate Trainer, CSAB/ABET (Computing Sciences Accreditation Board/Accreditation Board for Engineering and Technology) - Invited to participate on a three person team tasked with training all potential information technology program evaluators for CSAB/ABET.

February 2015 - Present

Information Security Governance Committee, University of Cincinnati

February 2015 – Present

University of Cincinnati Academic Advocate, Information Systems Audit and Control Association, ISACA Selected by Cincinnati Chapter of ISACA to be point person at the university to connect students to professionals in the area of cybersecurity.

April 2015 – Present

SERVICE - Continued

Information Technology Faculty Search Committee, University of Cincinnati, College of Education, Criminal Justice, and Human Services, School of Information Technology
September 2015 - Present

Assessment and Accreditation Committee, University of Cincinnati, College of Education, Criminal Justice, and Human Services, School of Information Technology
September 2015 - Present

Executive Committee, ACM-SIGITE (Association for Computing Machinery, Special Interest Group for Information Technology Education).
July 2005 – July 2015

SIGITE Elections Nominating Committee (Chair), ACM-SIGITE (Association for Computing Machinery, Special Interest Group for Information Technology Education).
August 2014 – June 2015

Volunteer Leader – CECH Faculty/Staff Campaign, University of Cincinnati, College of Education, Criminal Justice, and Human Services, School of Information Technology
January 2015 – June 2015

Academic Technology and Instructional Design Board, University of Cincinnati, College of Education, Criminal Justice, and Human Services
September 2011 – May 2015

Advisory Team (Informatics Academy), Kenton County Academies of Innovation and Technology.
May 2013 – September 2014

Assistant Vice President of the Office of Information Security Search Committee, University of Cincinnati
March 2014 – September 2014

CSAB Constituency Relations Committee, Recruitment Sub-Committee, CSAB/ABET (Computing Sciences Accreditation Board/Accreditation Board for Engineering and Technology)
November 2011 – July 2014

Information Technology Faculty Search Committee, University of Cincinnati, College of Education, Criminal Justice, and Human Services, Department of Information Technology
March 2014 - July 2014

Volunteer Leader – CECH Faculty/Staff Campaign, University of Cincinnati, College of Education, Criminal Justice, and Human Services, Department of Information Technology
October 2013 – June 2014

Information Technology Faculty Search Committee, University of Cincinnati, College of Education, Criminal Justice, and Human Services, Department of Information Technology
October 2013 – March 2014

IT 2008 Exploratory Task Force, ACM Education Board (Association for Computing Machinery). Invited by ACM to participate in a six-member task force assessing the need to update IT2008: Curriculum Guidelines for Undergraduate Degree Programs in Information Technology.
April 2013 – December 2013

SERVICE - Continued

IT & Computing Task Force (Proposal Development Subteam), University of Cincinnati.
April 2013 – October 2013

IT & Computing Task Force (UC Center for Cybersecurity Subcommittee), University of Cincinnati.
April 2013 – October 2013

Information Technology Faculty Search Committee, University of Cincinnati, College of Education, Criminal Justice, and Human Services, Department of Information Technology
October 2012 - April 2013

Chair, ACM-SIGITE (Association for Computing Machinery, Special Interest Group for Information Technology Education). Elected to three-year term as leader of 400+ member society of IT educators. The Chair is the principal officer and responsible for leading SIGITE and managing its activities.
July 2009 – July 2012

ACM SIG Governing Board (SGB) - The ACM SGB is charged with forming special interest groups (SIGs), with managing them and setting policies for their management, and with recommending their dissolution. SIGs represent the largest form of participation in and revenue for the Association for Computing Machinery.
July 2009 – July 2012

Information Technology Department Head Search Committee (Co-Chair), University of Cincinnati, College of Education, Criminal Justice, and Human Services
May 2011 – December 2011

ABET Accreditation Lead, University of Cincinnati, College of Education, Criminal Justice and Human Services, Department of Information Technology - Responsible for all aspects of ABET accreditation of the IT program at UC. Prepared the self-study, prompted faculty on their roles, analyzed assessment data, and coordinated logistics for ABET visit. Efforts lead to the successful re-accreditation of the program.
January 2011 – November 2011

ITSA (IT Student Association) Faculty Advisor, University of Cincinnati, College of Education, Criminal Justice and Human Services, Department of Information Technology
August 2010 – October 2011

Promotion and Tenure Reviewer, North Carolina State University.
July 2011 – September 2011

MSDNAA/VMware AA Manager, University of Cincinnati, College of Education, Criminal Justice and Human Services, Department of Information Technology – Managed distribution systems as well as support for delivering Microsoft and VMware software downloads for students within the school.
October 2009 – September 2011

Semester Conversion Lead, University of Cincinnati, College of Education, Criminal Justice and Human Services, Department of Information Technology – Intensive work with CECH administration and staff to solidify undergraduate semester curriculum and transition matters for Information Technology.
March 2011 – October 2011

IT Curriculum Committee (Chair), University of Cincinnati, College of Engineering and Applied Science, School of Computing Sciences and Informatics.
October 2010 – June 2011

Computer Science Curriculum Committee, University of Cincinnati, College of Engineering and Applied Science, School of Computing Sciences and Informatics.
October 2010 – June 2011

SERVICE - Continued

Student Recruitment Committee, University of Cincinnati, College of Engineering and Applied Science, School of Computing Sciences and Informatics.

October 2010 – June 2011

ABET Committee, University of Cincinnati, College of Engineering and Applied Science

October 2010 – June 2011

Promotion and Tenure Reviewer, United States Military Academy.

March 2011 – May 2011

Departmental Accreditation/Assessment Committee (Chair), University of Cincinnati, College of Applied Science, Department of Information Technology – Lead the department in the successful effort for ABET accreditation of IT bachelors degree program.

March 2007 – July 2010

Department Curriculum Committee (Chair), University of Cincinnati, College of Applied Science, Department of Information Technology.

October 2006 – July 2010

Student Advisor, University of Cincinnati, College of Applied Science, Department of Information Technology – Actively advised over 50 students in the IT major.

September 2001 – July 2010

Office of College Computing Networking Sub-Committee, University of Cincinnati, College of Engineering and Applied Science.

December 2009 – June 2010

Director of College Computing Search Committee, University of Cincinnati, College of Applied Science and College of Engineering.

November 2008 – June 2009

Vice Chair/Executive Committee, ACM-SIGITE (Association for Computing Machinery, Special Interest Group for Information Technology Education). Elected to two-year term for 400+ member society of IT educators.

September 2007 – June 2009

Curriculum Committee, University of Cincinnati, College of Applied Science.

September 2003 – May 2009

Reappointment, Promotion, and Tenure Committee, University of Cincinnati, College of Applied Science.

September 2008 – May 2009

Semester Conversion Committee, University of Cincinnati, College of Applied Science.

February 2008 – March 2009

SIGITE 2008 General Conference Chair, ACM-SIGITE (Association for Computing Machinery, Special Interest Group for Information Technology Education).

October 2006 – February 2009

College Computing Committee, University of Cincinnati, College of Applied Science.

October 2008 – January 2009

IT Analyst Search Committee, University of Cincinnati, College of Applied Science.

October 2008

SERVICE - Continued

Semester Conversion Committee, Coop Schedule Subcommittee (Chair), University of Cincinnati, College of Applied Science.

April – May 2008

Regional Representative Midwest/Executive Committee, ACM-SIGITE (Association for Computing Machinery, Special Interest Group for Information Technology Education).

September 2005 – September 2007

ABET Accreditation Lead, University of Cincinnati, College of Applied Science, Department of Information Technology. Responsible for all aspects of ABET accreditation of the IT program at UC. Prepared the self-study, prompted faculty on their roles, analyzed assessment data, and organized space for ABET visit. Effort led to the successful accreditation of the program, one of the first ten accredited IT programs by ABET.

January 2007 – November 2007

IT Networking Faculty Panel, Career Technical Credit Transfer Articulation (CT²) Advisory Committee, Ohio Board of Regents.

October 2006 - March 2006

IT Faculty Search Committee (Chair), University of Cincinnati, College of Applied Science, Department of Math/Physics/Computing Technology.

February 2005 – July 2005

Department Administrative Work, University of Cincinnati, College of Applied Science, Department of Math/Physics/Computing Technology – Assisted with IT course offerings and staffing.

September 2004 - September 2005

IT Faculty Search Committee, University of Cincinnati, College of Applied Science, Department of Math/Physics/Computing Technology – Resulted in hiring of field service IT professor.

September 2004

Department Articulation Work, University of Cincinnati, College of Applied Science, Department of Math/Physics/Computing Technology – Worked to create articulation for networking classes between CAS and Edison College. Also involved in initial stages for articulation with universities in Egypt, Saudi Arabia, and Kuwait.

Autumn 2004

IT Transition Committee, University of Cincinnati, College of Applied Science, Department of Math/Physics/Computing Technology - Worked with Said and Leung to finalize the IT degree at CAS and transition students from the nine disparate former computing programs at UC.

June 2003 - September 2004

Computer Lab Management, University of Cincinnati, College of Applied Science, Department of Math/Physics/Computing Technology - Managed department networking lab.

2002-2004

IT Analyst Search Committee, University of Cincinnati, College of Applied Science, Department of Math/Physics/Computing Technology.

September 2003

Summer Academy for Information Technology Instructor, University of Cincinnati, College of Applied Science.

April-June 2003, April-June 2002

Information Technology Curriculum Committee, University of Cincinnati, College of Applied Science, Department of Math/Physics/Computing Technology.

2002-2003 Academic Year

SERVICE - Continued

Student Tribunal Faculty Advisor, University of Cincinnati, College of Applied Science.
2001-2003