

**Lori L. Sussman**

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Education

Ed.D. Transformative Leadership	University of New England, 2019
M.S. National Security Studies	National War College, 2004
M.M.A.S., Operations and Strategy	Command and General Staff College, 1993
M.S. AI & Human Factors Engineering	George Washington University, 1990
B.S General Engineering	United States Military Academy, 1983

Certifications

- 2021 Association of Technology Management and Applied Engineering (ATMAE) Accreditation Visiting Team Training
- 2017 Microsoft, Certified Microsoft Innovative Educator
- 2015 Cisco Systems, Cisco Application Infrastructure Sales Professional
- 2004 National Defense University, CIO Certification
- 1990 National Security Agency, Information Security Officer Certification Course

Career Highlights

2019-Present **Assistant Professor**, Department of Technology, University of Southern Maine, Gorham, ME

- Director, Cybersecurity Awareness, Research, and Education Support (CARES) Center
- Graduate Faculty and Coordinator Cybersecurity MS Program
- Trustee for the USM Beta Xi Chapter of the Epsilon Pi Tau Technology Honor Society
- Faculty Advisor to Cybersecurity Ambassador Program and Cyber Defense Student Club
- Board Member, Association of Technology, Management, and Applied Engineering (ATMAE) Certifications

2018-2019 **Adjunct Lecturer**, Department of Business, University of Southern Maine, Portland, ME

2016-2019 **President & CEO**, The Transformation Praxis, Charleston, SC

Sole owner, founder, and managing consultant for the Transformation Praxis is an SBA certified WOSB and VA accredited SDVOSB providing business, training, and IT

solutions. We serve our clients using training workshops, facilitation services, and executive coaching to accelerate objectives.

- Provided essential core curriculum to a team that created transformation workshops in leadership, cybersecurity, digital transformation, innovation, and strategic planning for Creighton University and University of Central Florida executive certificate programs.
- Subcontracting partner on successful proposal writing for US defense organizations C3T and NOAA.
- Lead consultant to NC-based financial services companies for digital transformation planning services.

2015-2016

**General Manager**  
**Hewlett Packard Enterprise (HPE),**  
Charleston, SC

Accountable for \$200M P&L for North and South Carolina Sales and charged with the creation and execution of the sales strategy, GTM modeling, market segmentation, channels approach, and executive relationships to create a high-performing integrated sales team.

- Created actionable enterprise and territory plans into a cohesive Carolinas business plan with success measures and used innovative tracking tools to achieve 101% of plan.
- Influenced national and alliance partners and increased channel activity in North and South Carolina driving channel attainment up 6%.
- Distinguished Sales Team members through an aggressive sales professional development program and resulting in 7 of 13 exceeding their sales quota goals.

2014-2015

**VP, Services**  
**eGroup,**  
Mount Pleasant, SC

Value-added reseller and provider of hybrid cloud solutions, software, data analytics, security, mobility, cloud, and managed services. A Fortune 5000 company and winner of the 2014 & 2015 CRN "Triple Crown."

- Honored as one of CRN's 2015 Women of the Channel Power 50 Solution Provider at <http://www.crn.com/rankings-and-lists/wotc2015-details.htm?w=381>.
- Improved P&L governance driving E:B from 0.39% to 0.27% by creating new statements of work and streamlining contracting processes.
- Created a complete IT lifecycle portfolio built on operational outcomes for customers and integrated it into quoting, ordering, booking, deal preparation, and bookings system, which increased revenue per head by 19%.

2007-2014

**Cisco Systems, Inc**  
Charleston, SC

**Chief of Staff & Senior Director, Services Sales Strategy and Planning,**

2012 – 2014

Created and tracked strategic and business plans and supporting operational structures for Cisco's Americas Services Sales organization, which is a \$6B+ P&L.

- Created a multi-organization Sales "war room" to address shortfalls in quota achievement goals and went from behind 29% in the first half to achieving goal by year-end.
- Created an enterprise approach and multi-disciplinary pursuit program to consolidate and grow accounts, which led to three deals worth more than \$100M over three years.
- Created a new high-touch delivery model that improved satisfaction from 4.1 to 4.75 (out of 5) without increasing headcount.
- Developed the professional development program for the services sales workforce in Canada, US, and Latin America.
- Taught classes on how to prepare a business plan for emerging leader and new manager cohorts.
- Named as an executive emerging leader and out in the 2013 cohort for VP candidates.

**Director, Enterprise Accounts Professional Services Delivery (Southeast US),**  
2010 – 2012

Managed \$40M P&L for Cisco Advanced Services annually with a team of 40 Cisco Engineers, Project Managers, and High Touch Operations Managers.

- Taught classes on how to prepare a business plan for emerging leader and new manager cohorts.
- Mentored at least 5 – 10 emerging manager candidates each year.

**Director, US Defense Professional Services Delivery,**  
2007 - 2010

Managed \$27M P&L for Cisco Advanced Services annually with a team of 25 Cisco Engineers, Project Managers, and High Touch Operations Managers.

- Mentored at least 5 – 10 emerging manager candidates each year.

**1983-2007**

**US Army**

IT Executive who commanded strategic and tactical communications units that provided systems and support to Army and Joint organizations. Also, a trained Army Strategist with assignments supporting the Chief of Staff of the Army, Defense CIO/J-6, and the President and White House staff.

**Colonel**

**Chief of Staff | Executive Officer | Technology Solutions | Strategy and Planning**  
Joint IED Defeat Organization, United States Department of Defense  
2006-2007

Strategy, planning, and operational role that focused the 340 person JIEDDO staff on issues of primary concern to the four-star JIEDDO Director. As such, this role required daily interaction with civilian and military senior executives such as the Deputy Secretary of Defense, the Deputy Chairman of the Joint Chiefs of Staff, Combatant Commanders, and other stakeholders providing requirements to this \$5B rapid acquisition effort. Advisor on development of a wide range of strategic policy items, congressional briefings, relevant information technology policies, and input to directives guiding DoD's electronic warfare employment in support of defeating improvised explosive devices. Reviewed all operational matters delivered to the President of the United States, Secretary of Defense, Congress, and their supporting staff.

**Brigade Commander | CIO | Professional Technology Services | Training Expert**  
15th Regimental Signal Brigade, United States Signal School, US Army  
2004–2006

Commanded the 5,000 Soldier unit responsible for all IT training in the US Army. The school trained over 17,000 Signal and Ordnance students annually and was responsible for making sure that each individual had the right physical, technical, and tactical skill sets to make an immediate contribution to their first unit of assignment. Courses ranged from four months (Cable and Wire Repairman) to a year (Satellite Systems Operator and Repairman).

- Recognized by the Secretary of the Army for Lean Six Sigma approaches to save \$61M while still improving technical infrastructure and training while leading the Army IT School.
- Named Army Science Technology and Math (STEM) role model in 2004 and did extensive Women and STEM empowerment speaking engagements.
- Taught professional development classes to officers and non-commissioned officer leaders and faculty.

#### **Lieutenant Colonel**

**Chief of Staff of the Army Technology Special Assistant | Strategy and Planning**  
The Army Staff, Pentagon, Washington, DC  
2002–2003

Special Assistant to the Chief of Staff of the Army, Pentagon, Washington DC  
Strategist serving as a Special Assistant directly to the Chief of Staff of the Army (CSA) with a primary focus in the area of Strategic Communications.

**Battalion Commander | CIO | Professional Services | Training Expert**  
122d Signal Battalion, Second Infantry Division, Oujjongbu, Republic of Korea (ROK)  
2000 – 2002

122d Signal Battalion, Second Infantry Division, Oujjongbu, Republic of Korea  
Commanded 684 Soldiers who installed and operated the tactical and installation IT networks critical to US forces throughout the Demilitarized Zone in the Republic of Korea. Concurrent responsibility as CIO with a \$12M budget to maintain critical secure

network infrastructure for 10,000 2ID Soldiers dispersed in 7 camps across the border between the two Koreas.

### **Major**

#### **Space Architect, Space Systems | Executive Officer to the Director, Command, Control, Communication**

CIO J-6 Space Systems | XO Joint Staff, CIO J-6, the Joint Staff, United States DoD  
1998 –2000

DoD Space Architect responsible for developing plans, policy, and doctrine for DoD organizations to access space-based IT services to leverage integrated command, control, communications, and computer (C4) systems. As Executive Officer, provided strategy, planning, and operational oversight for the 140-person J-6 staff on critical issues of primary concern to the three-star general who was the Director/CIO.

#### **Executive Officer, 123d Signal Battalion | Deputy CIO/G-6, 3<sup>rd</sup> Infantry Division**

123d Signal Battalion, Third Infantry Division, Hinesville, Georgia  
1996-1998

Responsible for planning/execution of command, control, communications, and computer and Information (C4I) systems. Coordinated the activities of 39 brigade and battalion signal officers supporting the leaders who command the 10,000 Soldiers of the 3<sup>rd</sup> Infantry Division. Supervised automation management and developed a seamless data architecture. Supervised and developed communications and computer security (COMSEC) for the division and implemented COMSEC procedures and updates.

#### **Strategy and Plans Officer, CIO/J-6, US Forces Korea**

1995-1996

US Forces Korea, Seoul, Republic of Korea (ROK)

Responsible for planning/execution of command, control, communications, and computer and Information (C4I) systems for all forces as part of the United Nations Command (UNC) and Combined Forces Command (CFC). Developed and supervised information technology plans/exercises and operations sections to respond to crises on the Korean Peninsula. Developed a seamless data architecture and computer security (COMSEC) for all forces in Korea.

### **Captain**

#### **Presidential Communications Lead | Director, Data & Network Center | Director, Customer Support**

White House Communications Agency, the White House, Washington, DC.

1990–1993

Served as Presidential Communications Officer providing instantaneous voice and data communications at all times. Developed and implemented both the IT service desk and end-user customer support desk organizations for the President and support staff.

Provided oversight for all programs necessary to migrate from a mainframe computer center architecture to a state-of-the-art data center with premier network infrastructure, security, mobility, storage, and end-user interfaces.

- Transformed the White House network structure from mainframe to distributed technologies. The program's speed, agility, and cost-reducing measures became a Defense Information Systems Agency (DISA) template.
- White House Communications Officer of the Year and Presidential Communications Officer responsible for all voice, data, and audio-visual support to the President of the United States and his staff.

### **Commander, C Company, 32d Signal Battalion**

123d Signal Brigade, Frankfurt, Germany  
1986-1988

Commander of a 161 Soldier corps area signal company that provided critical tactical communications from the V Corps Commander to his major subordinate commands in central Germany.

### **Lieutenant**

### **Adjutant | Platoon Leader, 32d Signal Battalion**

123d Signal Brigade, Frankfurt, Germany  
1983-1986

### **Grants and Scholarships Awarded**

- 2022 Awarded \$4000 grant from Maine Alumna to sponsor a Cybersecurity Ambassador.
- 2021 Awarded \$45K by the Maine Technology Institute for Cybersecurity Ambassador Program growth.
- 2021 GWI provided a \$8600 gift to sponsor two Cybersecurity Ambassadors.
- 2021 Award Women in Cybersecurity (WiCys) Veteran Scholarship to attend the annual conference. WiCyS conference is not only the flagship conference for women in cybersecurity but, regardless of gender, is the largest cybersecurity conference with equal representation of professionals and students.
- 2021 Submitted NSF 21-500 Secure and Trustworthy (SaTC) Cyberspace Program as an \$400,000 EDU proposal. The goals of the SaTC program are aligned with the National Science and Technology Council's (NSTC) Federal Cybersecurity Research and Development Strategic Plan (RDSP) and National Privacy Research Strategy (NPRS) to protect and preserve the growing social and economic benefits of cyber systems while ensuring security and privacy. The Education (EDU) designation will be used to label proposals focusing entirely on cybersecurity education.

- 2021 USM Course Design Grant in the amount of \$2500 to develop the online CYB 530 course.
- 2020 Awarded the (GHC) Faculty Scholarship to attend the 2020 Virtual Grace Hopper Celebration from Monday, Sep. 28 to Friday, Oct. 2, 2020. AnitaB.org is a social enterprise that supports women in technical fields, as well as the organizations that employ them and the academic institutions training the next generation. The Grace Hopper Celebration is the world's largest gathering of women technologists. It is produced by AnitaB.org and presented in partnership with the Association for Computing Machinery (ACM).
- 2020 USM Course Design Grant in the amount of \$2500 to develop the online CYB551 course.
- 2019 Maine Office of Securities Award (\$45,000) for Cyber Awareness Ambassadors Program. With Cybercrime increasing, the need for community education on best practices to avoid cyber-fraud is a responsibility that we are willing and ready to take on. This project will create opportunities for student engagement, increase digital literacy, and obtaining empirical data to provide a deeper understanding of the current impact of socially engineered cybercrimes and the digital divide on high-risk groups in the state of Maine.
- 2019 Awarded a Faculty Fellowship grant (lodging grant) and a Veteran Fellowship grant (\$500 travel grant) to attend the Women in Cybersecurity (WiCyS) 2020 Conference in Aurora, CO.
- 2019 Center for Collaboration and Development (CCD) Gap-Funding Mini-Grant (\$150) for materials to better understand the Universal Design for Learning pedagogy. These books were for both me and my department colleagues' professional development.

### **Conferences and Presentations**

- 2021 (November). *Innovations in Remote Academic Internships During the COVID-19 Pandemic. Association of Technology, Management, and Applied Engineering (ATMAE) Annual Conference, November 3-5, 2021.* The theme was building blocks for the future workforce. Since 1967 ATMAE members that consist of college and university educators, administrators, students, and industry professionals, collaborate to solve complex technological problems and developing the competitive technologist and applied engineering workforce. ATMAE does this through specialized accreditation for 2-year, 4-year, and master's degree programs, personal certifications, an annual national conference, publications, awards and scholarships, career center, a website filled with valuable content, and numerous opportunities to develop professionally. Through its committed members and outstanding programs, ATMAE serves as the premier

leader in developing technology, management, and applied engineering disciplines in academia and industry.

- 2021 (October) *Creation of a Cybersecurity Ambassador Program and Using it to Promote Cybersecurity Skills During the Pandemic* for the National CyberWatch Center. This topic won the “Best Submission” selection from the National CyberWatch 2021 Innovations in Cybersecurity Education Program. The presentation discussed the Cybersecurity Ambassador Program (CAP) and how it provides graduate and undergraduate students opportunities to use the cybersecurity knowledge, skills, and abilities acquired at the university to raise awareness in the community.  
<https://nationalcyberwatchcenter.wildapricot.org/EmailTracker/LinkTracker.ashx?linkAndRecipientCode=s%2boHsmNFaJGGHUApTLpPONwJdLZvU%2bPY0XegoI8eY%2b9lCIVoowseuNDmMJjd6tS8R4O47c92ru9ruYJ%2fNGU19sIz33oBupq3PRGwF2Mg2Yw%3d>
- 2021 (January). *Maine College of Engineering, Computing, and Information Science (MCECIS). Kickoff Visioning Workshop - The Future of Engineering, Computing, and Information Science in Maine*. This conference addressed one of the four Harold Alfond Foundation UMS Transforms Grant initiatives. It specifically proposed the creation of the Maine College of Engineering, Computing, and Information Science (MCECIS). I am participating in this landmark opportunity that may lead to the advancement of Maine's economy by increasing our technical workforce.
- 2020 (October). *The Future of the Cybersecurity Workforce*. 2020 Cyber Innovators Summit, presented by the Cyber Institute, Costa Mesa, CA. The Cyber Institute gathers top cybersecurity professionals to discuss the dynamic challenges of information security, new approaches towards structuring security infrastructures, and predictions for this upcoming decade.
- 2020 (October). *Everyday Cyber Safety*, Southern Maine Agency on Aging, Scarborough, ME. The Southern Maine Agency on Aging's mission is to improve the quality of life for older adults, adults with disabilities, and the people who care for them.
- 2020 (October). *The Future of the Cybersecurity Workforce*. ISC(2) Maine Chapter, Portland, ME. The Maine ISC(2) mission is to support valuable, highly skilled professionals throughout their careers by providing them with industry information, vast networking and collaboration opportunities, and professional development tools.
- 2020 (February) Jean Bartik Computing Symposium, United States Naval Academy, *Technology Entrepreneurship: How to Develop a Business Plan for Your Next Great Idea Workshop*. (February 2020). Annapolis, MD. The mission of this conference ring women and underrepresented minorities from computing at the



three United States Service Academies together with their professional counterparts in the military and government. The principle objectives of the conference were:

- Promote fellowship amongst the women and minorities in computing at the United States Military Academy, United States Naval Academy, and the United States Air Force Academy.
- Offer meaningful workshops and sessions that will promote their advancement into military and government professions of their choice.
- Make it easier for the military and government to identify promising young candidates for computing opportunities at their organizations.

[https://www.usna.edu/CS/Jean\\_Bartik\\_Computing\\_Symposium/index.php](https://www.usna.edu/CS/Jean_Bartik_Computing_Symposium/index.php)

- 2019 Represented USM at the Maine STEM Conference hosted by Central Maine Community College.
- 2017 North Carolina Technology Association, Raleigh NC, Digital Transformation for Business Presentation
- 2013 Pennsylvania Women's Conference, Philadelphia, Pennsylvania, *Success Codes for Professional and Personal Leadership*. (2013). Philadelphia, PA. <https://www.paconferenceforwomen.org/speakers/lori-sussman/>
- 2012 Massachusetts's Women's Conference, Boston, Massachusetts, *Leading Through Transitions*. (2012). Boston, MA. <https://www.maconferenceforwomen.org/speakers/lori-sussman/>
- 2006 West Point Women's Conference, West Point, NY, *Military Recruiting and Training: Ensuring the Legacy*. (2006). West Point, NY. <https://www.west-point.org/usmawomen/breakout.html>
- 2004 Science, Technology, Engineering, and Math (STEM) Symposium, Washington, DC, *Removing Barriers for Women and Girls in STEM Panel and Presentation*
- 2003 International Summit for Public Service, Oslo, Norway, *The Use of Immersion Educational Models for Multisensory Learning to Enhance U. S. Information Technology Soldiers' Skills, Knowledge, and Capabilities*.

### **Curriculum Developed and Delivered**

#### **Curriculum Developed and Delivered for Military Technical Training at Fort Gordon, GA**

**New Faculty Orientation:** The goal of the New Faculty Orientation was to meet new faculty's needs in a customized program by providing networking opportunities across all departments, schools, centers, and institutes in a positive and reflective environment. Foundational seminar-facilitation skills and adult-learning theories were introduced

during the orientation and subsequently reinforced in a series of continuing workshops throughout the academic year. Additionally, the inaugural use of a digital and interactive new faculty handbook introduced a hybrid-learning component. It provided an accessible introduction to the Advanced Individual Training (AIT) community at Fort Gordon, Georgia.

**Student Orientation:** Capstone facilitation for new Soldiers attending Technical Advanced Individual Training (AIT) as part of the 15<sup>th</sup> Regimental Signal Brigade at Fort Gordon, Georgia. The orientation covered three full days of briefs and administrative requirements. Additional days beyond the first three were often necessary for service-specific training and administration as well as fundamental Signal and Soldier-specific military training and administration.

### **Curriculum Developed and Delivered at Cisco Systems, Inc.**

**Cisco Architecture Business Practitioner Course:** Taught what is needed to lead business conversations at all levels of an organization to develop a comprehensive roadmap and skillfully manage the tools and techniques necessary for successful digital transformation business outcomes. This role-based course had the following learning outcomes:

- Identify, define, and fulfill strategies to transform businesses
- Provide full architectures, solutions, and deliver on the vision and promised results.
- Create, refine, and document business cases, roadmaps, and other plan artifacts that deliver on the desired outcomes.
- Build and lead a team to both develop and deliver on the promise of the digital transformation of business outcomes.

### **Curriculum Developed and Delivered at USM**

**CYB 530 Project Management in Cybersecurity (Designed and Delivered):** This course analyzes cybersecurity resources related to project management. Significant effort will be devoted to understanding global socioeconomic, political, environmental, and cultural issues. Case studies will broaden understanding of best practices and ability to create projects in a global economy. Students will be introduced to computer-based tools used in project management.

**CYB 551 Cyber Laws, Policies, and Ethics (Designed and Delivered):** This course introduces aspects of cybersecurity laws and policies to integrate these challenges into cyber planning, operations, and strategy. The class will explore privacy issues, legal considerations, codes of ethics, and ethical implications faced by cybersecurity professionals. Topics align with the Department of Homeland Security (DHS) organizational security knowledge area covering security laws, regulations, and regulatory standards such as the International Organization for Standardization (ISO). Students will analyze organizations to develop security profiles for public and private entities. The intent is to build an understanding as a security professional so that students

understand governances and how they convey compliances to business verticals such as healthcare and eCommerce.

**CYB 583 Database and Application Security (Co-wrote for New Master's Program):**

This cybersecurity course examines the issues surrounding protecting data both at rest and in motion in data management systems, including databases and similar high-value networked applications. Both the theory and practice of various data protection models will be explored. Topics include common vulnerabilities, access control, data integrity models, privacy controls, compliance, and data auditing. Students are expected to have a basic understanding of databases and SQL before the start of the course.

**CYB 591 MS Cybersecurity Capstone Proposal (Co-wrote for New Master's Program):** This course is the foundation to the capstone option of the cybersecurity masters program. Students will complete a project on a topic from their chosen cybersecurity career field. A full-time faculty in cybersecurity is assigned as a mentor. At the end of the course, the student presents the project proposal to the Master's in Cybersecurity Thesis and Capstone Committee.

**CYB 592 MS Cybersecurity Capstone Presentation (Co-wrote for New Master's Program):** This course is the final step to the capstone option of the cybersecurity masters program. Students will complete the approved project from CYB 591. A full-time faculty in cybersecurity is assigned as a mentor. At the end of the course, the student presents the final project to the Master's in Cybersecurity Thesis and Capstone Committee.

**CYB 698 MS Cybersecurity Thesis Research (Co-wrote for New Master's Program):** This course involves thesis research and preparation. It may be repeated for credit, but no more than six credits will apply to the degree. Enrollment is required each term in which the thesis is in progress. This option provides structure and assistance to students wishing to complete a formal thesis rather than a research project. Upon completion, the student will present a verbal summary of the thesis at a formal thesis defense meeting. This option may be especially attractive for those students contemplating advanced doctoral level.

**Curriculum Delivered at USM**

**BUS 301 Business Analytics:** Analytics is the scientific process of transforming data into insights for making better decisions. This course introduces students to all three areas of business analytics: descriptive, predictive, and prescriptive. Emphasis is upon developing students' abilities to recognize the need for analytics, formulating business problems, selecting and testing analytics models, and interpreting the implications of results.

**COS/ITT 200 Cybersecurity:** An introduction to the fundamentals of cybersecurity and information assurance. Students will develop a knowledge base for defining and recognizing both online threats and potential targets and develop intellectual tools for

evaluating relative risks within cyberspace. Students will apply theories and best practices for addressing the potential costs of countermeasures for cyber-attacks.

**ITP 230 Project Management:** This course presents a structured analysis of planning, organizing, directing, controlling, and monitoring resources related to project management by completing a set of well-defined tasks. Within this course, significant effort is devoted to understanding the international, social, political, economic, environmental and cultural issues in context of the interrelationships, responsibilities, and demands of project management between technologies, resources, project scope, and budget that impact project success in a global, international environment. Case studies are used throughout the course to broaden the perspective and understanding of the participant's knowledge and application of project management's best practices, and their ability to create and evaluate projects and project performance in an international, global economy. The introduction of computer-based tools in the management of projects is covered.

**ITP 350 Leadership, Teambuilding, and Facilitation:** An exploration of topics related to leadership, team building, group dynamics, and an introduction to the practices and goals of successful facilitation of face-to-face groups and virtual meetings. Teambuilding topics include member and group participant types and functions; stages to teambuilding; creating and building teams; dysfunctions and conflicts within teams and groups; and teams in the roles of content controllers. Leadership emphasis is on foundational principles, capabilities, and practices that help leaders self-manage, engage, and influence diverse team members, and generate shared commitment for team and project success. The course explores various contexts, motivations, and paths that evoke leadership in technology through a series of case studies and exercises in critical knowledge areas and skills required of technology leaders. Facilitation topics include developing techniques and skills in the role of a meeting facilitator and process leader, identifying and defining individual participant behaviors and how those interrelationships affect team dynamics, developing and designing facilitation agendas, preparing and performing facilitations, facilitating conflict, creating participation, and meeting management and ethical responsibilities.

**ITP 460 Capstone:** Capstone is a senior-level class that integrates curriculum content from previous courses to create a capstone experience with a focus on technology, project management, and professional communications. Students will use project management and professional communication techniques to select, complete, and report on an individual project that demonstrates achievement at the application and syntheses level. To get enrolled, Students must contact the class instructor to have their plan approved before the beginning of the course using this format.

### **Peer Reviewed Publications**

Sussman, L. (2021). Exploring the value of non-technical knowledge, skills, and abilities (KSAs) to cybersecurity hiring managers. *Journal of Higher Education Theory and Practice*, 21(6). <https://doi.org/10.33423/jhetp.v21i6>

Sussman, L. (2020). Exploring non-technical knowledge, skills, and abilities (KSA) that may expand the expectations of the cyber workforce. *Cybersecurity Skills Journal: Practice and Research 1*, 19 – 31, <https://www.nationalcyberwatch.org/resource/csj-2020-nice-special-issue/>

Sussman, L. (2019). Exploring barriers that higher education women presidents and chancellors experience during the centralized search process. *All Theses and Dissertations*. 243. <https://dune.une.edu/theses/243>

Sussman, L. (2004). Operationalizing information age warfare: Becoming net ready *Chairman of the Joint Chiefs of Staff Strategy Essay Competition: Essays 2004*, Washington, DC: National Defense University Press, 77. <https://www.hsdl.org/?view&did=459174>

### **Publications in Progress:**

#### **Books**

Sussman, L. (2023). *Cybercrime Targeting Seniors: Laws, Policies, Social and Investigatory Practices*. Taylor and Francis & CRC Press. Expected September 2022

Sussman, L. (2022). Everyday Cyber Safety for Students. In Sanford, R. M., Hibl, and J. Ouellette (Eds.) *Multiple modes and Methods of Intentional Teaching and Learning at the University of Southern Maine*.

#### **Conference Papers**

Sussman, L. (2021). Innovations in Remote Academic Internships During the COVID-19 Pandemic. Association of Technology, Management, and Applied Engineering (ATMAE) Annual Conference, November 3-5, 2021.

#### **Community and Technical Practitioner Publications**

Sussman L. (2020, April 6). *Maine Voices: Protect yourself from COVID-era Cyber Attacks*. Retrieved from <https://www.pressherald.com/2020/04/06/maine-voices-protect-yourself-form-covid-era-cyber-attacks/>

Sussman L. (2020, April 3). *Cyber safety tips when working from home*. Retrieved from <http://lifestyles.thewindhameagle.com/2020/04/cyber-safety-tips-when-working-from-home.html>

Armstrong, M., and Sussman, L. (2003). G-6 Planning and Supporting Signal Battle Command. *Army Communicator*, 28/1. <https://apps.dtic.mil/dtic/tr/fulltext/u2/a498186.pdf>

Sussman, L. (1995). Operational Command and Control for Joint and Component Commands: Integration or Duplication? *Defense Technical Information Center*, 82. <https://apps.dtic.mil/dtic/tr/fulltext/u2/a300229.pdf>

Sussman, L. (1994). Getting Command and Control Systems back into the Fight on the Digitized Battlefield. *Defense Technical Information Center*, 61. <https://apps.dtic.mil/dtic/tr/fulltext/u2/a293459.pdf>

## **Videos**

News Center Maine (ABC), *Cybersecurity Education in Maine*, June 21, 2021.

- Big need for cybersecurity workers <https://youtu.be/bGwmZKHz96A>
- Cybersecurity education programs in Maine <https://youtu.be/ogg53lsb8aM>

Maine Life Media, *MaineLife Season 5, Episode 23 – Day of Hope* by Erin Ovalie, October 3, 2020. Retrieved from [https://youtu.be/dDyVcMv\\_2Z0](https://youtu.be/dDyVcMv_2Z0)

University Maine System, Discover Maine Academics: University of Southern Maine Assistant Professor Lori Sussman. (2020). <https://youtu.be/bEdEh1jyvRI>

Channel 8, WMTW Maine. (2020). Maine's need growing for cybersecurity workers to combat the threat from criminals. <https://youtu.be/VPBH9kirm2Y>

Channel 8, WMTW Maine. (2020). 2020 qualifier USM Husky Hackers <https://youtu.be/uCPY5HIF5aA>

Channel 8, WMTW Maine. (2019). WMTW Ransomware at MASD 6 Report includes Dr. Lori Sussman from the University of Southern Maine <https://youtu.be/WbQ8IYw7K9Q>

North Carolina Technology Association, "Lori Sussman 3" (2017). Raleigh, NC. <https://youtu.be/IS55eibfCjs>

North Carolina Technology Association, "Lori Sussman 4" (2017). Raleigh, NC. <https://youtu.be/jR9o4zUCHN8>

Lifetime, "Be Your Own Hero: Call to Duty" (2002). Oujijongbu, ROK. [https://youtu.be/jLHf\\_ej1pql](https://youtu.be/jLHf_ej1pql)

## **Radio and Podcasts**

Defendify Webinar Panelist, *Cyber Crystal Ball: What Does 2022 Hold in Store?* Jan 27, 2022 <https://www.defendify.com/cyber-crystal-ball>

WMPG 90.9 *Scientifically Speaking Program* about cybersecurity, July 21, 2021.  
Retrieved from <https://youtu.be/qyITW5wvCEo>

Reimagining Cyber, *Women in Tech Choose to Challenge and Refuse to Be Silenced during Women's History Month and Beyond*, March 27, 2021. Retrieved from <https://soundcloud.com/user-836672106/micro-focus-reimagining-cyber-women-in-history/s-2I235kdKEQQ>

Cybercrime Magazine, *Higher Education. Teaching Cybersecurity. Lori Sussman, Asst Professor, University of Southern Maine*, March 3, 2021. Retrieved from <https://soundcloud.com/cybercrimemagazine/higher-education-teaching-cybersecurity-lori-sussman-university-of-southern-maine>

Bangor Daily News, Maine, data privacy and security, March 1, 2021.  
[https://www.youtube.com/watch?mc\\_cid=92aa9ff2ab&mc\\_eid=262c533406&v=vOigny9BkI4&feature=youtu.be](https://www.youtube.com/watch?mc_cid=92aa9ff2ab&mc_eid=262c533406&v=vOigny9BkI4&feature=youtu.be)

Defendify, *The Hilt Podcast* by Rob Simopoulos, January 2021. Cybersecurity can seem complicated, especially for Small Business. Defendify Co-Founder Rob Simopoulos interviews leading cybersecurity experts to cover hot topics and gain business insights. It is a platform for both those who are passionate about cybersecurity or simply looking to learn more. <https://podcasts.apple.com/us/podcast/the-hilt/id1472779208>

### **3. Other Scholarly Activity**

#### **Scientific and Professional Society Memberships**

Institute of Electrical and Electronics Engineers (IEEE)  
Women in Engineering (WIE), IEEE  
IEEE, Maine  
Women in Cybersecurity (WiCys)  
National Cyberwatch Center  
International Consortium of Minority Cybersecurity Professionals (ICMCP)  
Cyber Security & Information Systems Information Analysis Center (CSIAC)  
International Leadership Association  
American Council on Education (ACE)  
American Academy of University Women (AAUW)

#### **Professional Certifications**

Certified Association of Technology Management and Applied Engineering (ATMAE)  
Accreditation Visiting Team Member, 2021  
Certified Microsoft Innovative Educator, 2017  
Cisco Application Infrastructure Sales Professional, 2015  
Chief Information Officer (CIO) Certification, 2004

## Honors and Awards

January, 2022: **Featured by the George Washington University Newsletter** as an outstanding alumna in the news.

October 2021; **Featured in CIO Look Magazine** for their issue: *The 10 Most Eminent Women in Security*. <https://magazines.ciolook.com/The-10-Most-Eminent-Women-Leaders-In-Security-2021-October2021/#page=1>

Awarded the **best submission for 2021 Innovations in Cybersecurity Education** by the National CyberWatch Center for *Creation of a Cybersecurity Ambassador Program and Using it to Promote Cybersecurity Skills During the Pandemic*. The National CyberWatch Center is an NSF sponsored consortium funded since 2005 for which we are a member. They lead collaborative efforts to advance cybersecurity education and strengthen the national cybersecurity workforce.

**WiCyS 2021 Veteran Fellowship Award Recipient.** WiCyS 2021 is the go-to Cybersecurity event for women professionals. WiCys helps organizations recruit, retain and advance women in cybersecurity — all while creating a community of engagement, encouragement, and support at this prestigious international technical conference. <https://www.wicys.org/events/wicys-2021/>

Winner of the **2021 Warner Mini-lectureship Award for Region 1** from Technology Honor Society, Epsilon Pi Tau (EPT), for exemplary international leadership and contributions within the professions represented by EPT. More information at <https://www.epsilonpitau.org/page/MinilectureshipAward>

Named **Cybersecurity Skills Journal Fellow** by the National Initiative for Cybersecurity Education (NICE) sponsored by the National Institute of Standards and Technology, US Department of Commerce, 2020

Phi Kappa Phi, 2020  
<http://meritpages.com/lori.sussman>

Epsilon Pi Tau, 2020

CRN: The Channel Company, Top Women of the Channel, Power 50 Solution Provider, 2015. <https://www.crn.com/rankings-and-lists/wotc2015.htm>

Department of Defense (DoD) Science, Technology, Engineering, & Mathematics (STEM) Role Model, 2006. <https://dodstem.us/media/stem-role-models>

White House Communications Agency Officer of the Year, 1990

## Volunteer Experience

Lori Sussman, 2022



Cycle for Air, American Lung Association, 2019

Volunteer, YMCA Fundraiser, Peaks to Portland Swim, 2018

Math Mentor, Edith L. Frierson Elementary School, Wadmalaw Island, SC, 2016-2017

Team Captain, SC Tour de Cure, 2009-2012

Citadel Leadership Mentor, The Citadel, Charleston SC, 2007-2018

Spin-a-thon for Pattison's Academy, Charleston, SC to Help Disabled Children, 2011

Team in Training, Leukemia & Lymphoma Society, 2003-2006

### **Social Media Links**

<https://www.linkedin.com/in/lorisussman/>

<https://twitter.com/LoriSussman>

<https://lorisussman.academia.edu/>

<https://www.researchgate.net/profile/Lori-Sussman>

<https://sites.google.com/view/drlori>

### **Professional Service to Department/College/University**

**2021 Director, Cybersecurity Awareness, Research, and Education Support (CARES) Center.** Founding faculty of the USM Cybersecurity Awareness, Research, and Education Support (CARES) Center whose goal is to shape programs that include opportunities related to experiential learning, internships, scholarships, curriculum and workshop development, outreach programs, and applied research, with a collective goal of increasing the cyber talent and workforce capacity to meet Maine's and private industry cyber needs.

**2020 Principal Investigator (PI) and Lead Faculty for the Cybersecurity Ambassador Program (CAP).** CAP provides graduate and undergraduate students opportunities to use the cybersecurity knowledge, skills, and abilities acquired at the university to raise awareness in the community. The PI initially designed CAP for in-person cyber safety research, with outputs being community workshops delivered by students. However, the program had to transform to a remote/online modality due to the COVID-19 pandemic. The faculty uses this program to provide students much-needed work-study and internship opportunities. The two most challenging problems we had to solve were creating a remote training program and a remote but not oppressive accountability program to track student progress. We are partnering with the Maine Office of Securities for an initial grant to fund the student internships. We are currently in the process of collaborating with the Portland School District, the National Digital

Equity Center (NDEC), and Maine Literacy Organizations to expand student outreach opportunities.

**Benefits of Innovation:**

Research shows that hiring managers are looking for the following non-technical competencies that CAP promotes and enriches:

- Developing positive customer relations
- Facilitating teams and teamwork
- Leadership abilities
- Presentation skills
- Written communication skills
- Professional demeanor and appearance
- Working effectively with peers
- Using ethics in decision making
- Training employees

**2020** Member of the National Initiative on Cybersecurity Education Working Group (NICEWG). The National Initiative for Cybersecurity Education (NICE), led by the National Institute of Standards and Technology (NIST) in the U.S. Department of Commerce, is a partnership between government, academia, and the private sector focused on cybersecurity education, training, and workforce development. The mission of NICE is to energize and promote a robust network and an ecosystem of cybersecurity education, training, and workforce development. NICE fulfills this mission by coordinating with government, academic, and industry partners to build on existing successful programs, facilitate change and innovation, and bring leadership and vision to increase the number of skilled cybersecurity professionals helping to keep our Nation secure.

**2020** Coordinator for the Cybersecurity MS Program. Appointed Graduate Faculty.

**2020** Department of Technology representative to the Graduate Council.

**2020** Led the Technology Department efforts with the Director of Prior Learning Assessment that created both a process to qualify students in the Applied Technical Leadership program who want to submit an ITT 400 portfolio for credit. We also created a rubric for faculty to use when assessing credit portfolios for qualifying students.

**2020** Coordinated with the Association of Technology, Management, and Applied Engineering (ATMAE) to provide remote certification testing at USM for the first time. Students in the Technology Management program are required by the ATMAE accreditation authority to take Certified Technology Manager (CTM) test as a benchmark for institutional excellence. Served as a remote ATMAE CTM proctor for the seniors who were abiding by the Coronavirus (COVID-19) stay-at-home orders so they could complete this test and graduate on time.

- 2020** Restarted the USM Beta Xi Chapter of the Technology Honor Society Epsilon Pi Tau (EPT). In-progress documenting students that meet the criteria and executing the induction ceremony.
- 2019** Started the first Cybersecurity Defense Competition at USM. Provided the impetus behind developing a team of eight students with 4 alternates and entered USM in the National Collegiate Cyber Defense League (NCCDL) Competition for the first time. The students formed a club based on participating in cyber defense and social engineering competitions, and I became their inaugural faculty advisor and coach.
- 2019** Completed the application on behalf of USM to be part of the National CyberWatch Center (NCC). The NCC continues its culture of collaboration, coordinating a broad national network of networks, including the largest network of Information Security educators and institutions of higher education in the world. This affiliation is a first step in getting USM accredited as a Cybersecurity Academic Center of Excellence for Cyber Defense with the US Department of Homeland Security.
- 2019** Participated in two work sessions as part of USM faculty representatives collaborating with the University in Tromso (UiT) from Norway. Served as the Technology Department lead for two topics. The first area was informatics (nexus of computer science, law, ethics, and health) and the second covered social education.
- 2019** Department Brightspace Liaison with Center for Technology Enhanced Learning

### **Public Service**

- 2020** Selected as Veteran Aide-de-camp to Governor Mills. Honorably discharged officers or enlisted personnel who served in the Army, Air Force, Navy, Coast Guard, or Marine Corps and who are not members of the state military forces may be appointed as Aides-de-Camp. These individuals will be expected to meet with the Governor and/or her staff periodically to discuss issues pertaining to Maine veterans and to serve as a liaison between the Governor and veterans. The Governor has identified the following issues for the Aides to focus attention on: Quality health, dental, and mental health care (Post Traumatic Stress Disorder, Traumatic Brain Injuries, Sexual Trauma, and Substance Abuse Disorder); homelessness and food insecurity; connection to State and Federal benefits; ensuring access to services for Maines tribal veterans and veterans living in rural areas; LGBTQ veterans; access to alternative therapies and adaptive sports; and support for veterans court participants, suicide prevention, and aging in place.  
[https://www.maine.gov/veterans/about/media-kit/details.html?id=5236079&fbclid=IwAR1EL2hfQfimW4ucTEElydXZP-pEShc6glMldpBt\\_a0R4w1ZO0GHyQFRcNc](https://www.maine.gov/veterans/about/media-kit/details.html?id=5236079&fbclid=IwAR1EL2hfQfimW4ucTEElydXZP-pEShc6glMldpBt_a0R4w1ZO0GHyQFRcNc)

- 2020** Served as Affiliate Committee Member for an Ed.D. Candidate at the University of New England
- 2020** Starting in July 2020, member of the National Initiative on Cybersecurity Education Working Group (NICEWG). The National Initiative for Cybersecurity Education (NICE), led by the National Institute of Standards and Technology (NIST) in the U.S. Department of Commerce, is a partnership between government, academia, and the private sector focused on cybersecurity education, training, and workforce development. The mission of NICE is to energize and promote a robust network and an ecosystem of cybersecurity education, training, and workforce development. NICE fulfills this mission by coordinating with government, academic, and industry partners to build on existing successful programs, facilitate change and innovation, and bring leadership and vision to increase the number of skilled cybersecurity professionals helping to keep our Nation secure.
- 2020** Wrote Cybersecurity articles during Novel Coronavirus (COVID-19) Pandemic:
- Portland Press Herald, *Maine Voices: Protect yourself from COVID-era cyber attacks*, April 6, 2020. Retrieved from <https://www.pressherald.com/2020/04/06/maine-voices-protect-yourself-form-covid-era-cyber-attacks/>
  - Windham Eagle, *Cyber safety tips when working from home*, Friday, April 3, 2020. Retrieved from <http://lifestyles.thewindhameagle.com/2020/04/cyber-safety-tips-when-working-from-home.html>

Served as Cybersecurity Expert for news media, podcasts, and panel discussions:

- Bleeping Computer, *School District reports a 334% hike in cybersecurity insurance costs*, January 22, 2022, Retrieved from <https://www.bleepingcomputer.com/news/security/school-district-reports-a-334-percent-hike-in-cybersecurity-insurance-costs/>
- WMPG 90.9 *Scientifically Speaking Program* about cybersecurity, July 21, 2021. Retrieved from <https://youtu.be/qyITW5wvCEo>
- Reimagining Cyber, *Women in Tech Choose to Challenge and Refuse to Be Silenced during Women's History Month and Beyond*, March 27, 2021. Retrieved from <https://soundcloud.com/user-836672106/micro-focus-reimagining-cyber-women-in-history/s-2I235kdKEQQ>
- Cybercrime Magazine, *Higher Education. Teaching Cybersecurity. Lori Sussman, Asst Professor, University of Southern Maine*, March 3, 2021. Retrieved from <https://soundcloud.com/cybercrimemagazine/higher-education-teaching-cybersecurity-lori-sussman-university-of-southern-maine>

- Bangor Daily News, Maine, data privacy and security, March 1, 2021. [https://www.youtube.com/watch?mc\\_cid=92aa9ff2ab&mc\\_eid=262c533406&v=vOigny9BkI4&feature=youtu.be](https://www.youtube.com/watch?mc_cid=92aa9ff2ab&mc_eid=262c533406&v=vOigny9BkI4&feature=youtu.be)
- Defendify, *The Hilt Podcast* by Rob Simopoulos, January 2021. Cybersecurity can seem complicated, especially for Small Business. Defendify Co-Founder Rob Simopoulos interviews leading cybersecurity experts to cover hot topics and gain business insights. It is a platform for both those who are passionate about cybersecurity or simply looking to learn more. <https://podcasts.apple.com/us/podcast/the-hilt/id1472779208>
- Maine Life Media, *MaineLife Season 5, Episode 22 – Lincolnville* by Erin Ovalie, October 3, 2020. Retrieved from <https://youtu.be/XUUv9ZRpV9w>
- WMTW Portland, *Maine's need growing for cyber security workers to combat threat from criminals* by Tyler Cadorette, February 2020. Retrieved from <https://www.wmtw.com/article/maines-need-growing-for-cyber-security-workers-to-combat-threat-from-criminals/30797001>
- WMTW Portland, *USM cybersecurity club competes to qualify in national cyberdefense competition* by Tyler Cadorette, January 2020. Retrieved from <https://www.wmtw.com/article/usm-cybersecurity-club-competes-to-qualify-in-national-cyberdefense-competition/30663912>
- WMTW Portland, "Secret Service investigating ransomware attack at MSAD 6" by David Charns, December, 2019. Retrieved from <https://www.wmtw.com/article/secret-service-investigating-after-data-breach-affects-msad-6-buxton-maine-hollis-standish-limington/30136687>