

Saltuk B. Karahan

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School of Cybersecurity, Old Dominion University, Norfolk, VA 23529

RESEARCH INTERESTS

National Security, Cyber Warfare, International Security, Cybersecurity Strategy and Policy, Information Warfare, Critical Infrastructure Security

EDUCATION

PhD in International Studies, 2015 – Old Dominion University, Norfolk, VA

Dissertation: “Energy as a factor for Turkish-Russian Rapprochement”

Committee: Steve Yetiv (chair), Austin Jersild, Fran Hassencahl

MA in Security Studies, 2005 – Army War College, Istanbul, Turkey

MS in Modeling and Simulation, 2000 – Naval Postgraduate School, Monterey, CA

Track: Human–Computer Interaction

BS in Systems Engineering, 1995, Turkish Military Academy, Ankara, Turkey

PROFESSIONAL EXPERIENCE

Senior Lecturer, School of Cybersecurity, Old Dominion University, May 2023 – Present

Undergraduate Program Director, School of Cybersecurity, Old Dominion University, May 2018 – Present

Interim Director, School of Cybersecurity, Old Dominion University, July 2022 – August 2023

Lecturer, School of Cybersecurity, Old Dominion University, May 2018 – May 2023

Chair, Commonwealth Cyber Initiative Coastal Virginia Academic Curricula Committee, November 2019 - March 2023

- Led the cybersecurity course development efforts within the higher education institutions of Coastal Virginia
- Coordinated showcase events for the Initiative
- Led evaluation committee for grants

Visiting Scholar, Virginia Modeling, Analysis and Simulation Center, February 2017 – April 2018

- Conducted social science research with modeling and simulation approach in Virginia Modeling, Analysis and Simulation Center (VMASC). Prepared grant proposals on cybersecurity education for the center.

Executive Assistant for Capability Development, NATO Allied Command Transformation, Norfolk, VA, July 2015 – October 2016

- Led the front office teams for Deputy Chief of Staff and Assistant Deputy Chief of Staff in NATO Allied Command Transformation's Capability Development Directorate.
- Managed, guided and coordinated the work of program managers in NATO's cybersecurity, strategic communication and innovation programs.
- Performed leadership and oversight tasks in developing policy and strategy documents in cyber defense as well as participating in the efforts for recognition of cyber space as a 'Domain of Operations'
- Briefed senior executives and military flag officers. Demonstrated writing excellence

- through frequent preparation of policy and strategy documents, reports, and presentations.
- Frequently conducted rapid, hard-hitting reviews of complex conceptual and technical documents.

Force Development Branch Head, Turkish Army, Ankara, Turkey, August 2013 – July 2015

- Managed the requirement definition for all major projects of the Turkish Army from 2013 to 2015 within the PPBE (Planning, Programming, Budgeting and Execution) system.
- Led teams and working groups of operational commanders and the technical Subject Matter Experts in the requirements definition process in Turkish Army HQ.

Battalion Commander, Kabul, Afghanistan, August 2012 – July 2013

- Contributed to the security in Afghanistan by leading 500+ troops from Turkish, Azerbaijani and Albanian military and Afghan civilian personnel in security operations.
- Conducted security patrols, coordination with local forces, force protection of an 80-acre base.
- Established educational programs for Afghan children (Language and Computer skills).
- Coordinated the operations of security units, support and maintenance unit and a small hospital within the base (Camp Dogan) in Kabul, Afghanistan.
- Decreased the number of incidents and resolved conflicts between differing views in multi-cultural international environment and established strong links between local communities and the military.
- Built teams from diverse organizations with differing cultural backgrounds.

Force Development Staff Officer, Turkish Army, Ankara, Turkey, August 2010 – July 2012

- Created the transformational roadmap by leading the team assigned for drafting the "Force -2050: Future Operational Environment and Force Structure Projection" document. The document was endorsed by Chief of the Army in 2012 and was used as a reference document in Army transformation efforts in 2013-2014.

Concept Development and Experimentation Staff Officer, NATO Allied Command Transformation, Norfolk, VA, August 2007 – July 2010

- Improved the civil-military cohesion in operational domains by directing NATO's Civil Military Fusion Center, led teams functioning across disciplines, which was comprised of civilian and military experts focusing on North East Africa and Afghanistan. The center managed and shared information related to the developments in these regions from civilian and military sources.
- Accelerated the orientation of new members of NATO (Albania and Croatia) by training Albanian and Croatian officers as well as new NATO officers in concept development and experimentation areas in NATO School Oberammergau (Germany), Zagreb (Croatia) and Tirana (Albania).
- Coordinated the engagement between concept development community and operational units in NATO exercises, deconflicted problems and provided seamless merge of experimentation and exercise efforts.

TEACHING AND PROGRAM COORDINATION EXPERIENCE

Old Dominion University, School of Cybersecurity, Norfolk, VA
Senior Lecturer & Undergraduate Program Director, Fall 2023 – Present

Old Dominion University, School of Cybersecurity
Interim Director, July 2022 – August 2023

- Served as Chief Executive Officer of the School
- Held the primary responsibility for the development of quality programs in instruction and professional service within the School

Old Dominion University, School of Cybersecurity (Former Center for Cybersecurity Education & Research), Norfolk, VA
Lecturer, Fall 2018 – Present

Developed and taught following courses in online and on-campus settings:

- CYSE 426/526: Cyber War (Undergraduate and Graduate Level)
- CYSE 425W/425W: Cybersecurity Strategy & Policy (Undergraduate and Graduate Level)
- CYSE 605: Leadership and Management in Cybersecurity (Graduate Level)
- CYSE 603: Advanced Cyber Law and Policy (Graduate Level)
- CYSE 595: Human Factors and Policy Management in Cybersecurity (Undergraduate and Graduate Level)
- CYSE 595: International Relations Aspects of Cybersecurity (Undergraduate and Graduate Level)
- CYSE 100: Cyber Explorer (Introductory Undergraduate Course)
- CYSE 368: Cybersecurity Internships
- CYSE 698: Cybersecurity Masters Projects

Old Dominion University, School of Cybersecurity (Center for Cybersecurity Education & Research), Norfolk, VA
Program Coordinator/Advisor Summer 2018 - Present

- Served as the Program Coordinator at the School of Cybersecurity
- Scheduled classes, instructor assignments for the program
- Coordinated the hiring, budgeting and scheduling of adjunct faculty
- Coordinated with the Registrar's office and Admissions office to resolve students' problems
- Coordinated the cross-listing of courses with other departments
- Managed Open House events, supervised conferences, represented the school in admission events
- Led adjunct faculty evaluation committees
- Led and served in adjunct and full-time faculty search committees
- Prepared annual assessment reports for School of Cybersecurity
- Coordinated and supervised internship for undergraduate students
- Advised sophomore to senior level undergraduate students
- Supervised Masters Projects and Independent Studies for Graduate Students
- Advised sophomore to senior level undergraduate students

- Served in Impact Learning and Living Learning Communities

NATO School Oberammergau, Germany
Lecturer, Spring 2010

- Concept Development and Experimentation

PUBLICATIONS

1. Korb, R., Karahan, S., Prathap, G., Kaya, E., Palmieri, L., & Kavak, H. (2023). S-400s, Disinformation, and anti-American sentiment in Turkey. In International Conference on Cyber Warfare and Security, (Vol. 18, No. 1, pp. 181-188)
2. Prathap, G., Kavak, H., Kaya, E., Palmieri, L., Karahan, S., & Korb, A. (2023, February). Anti-american stance in turkey: A twitter case study. In International Conference on Cyber Warfare and Security (Vol. 18, No. 1, pp. 309-317).
3. Samori, I. A., Palmer, X. L., Potter, L., & Karahan, S. (2022, September). Commentary on biological assets cataloging and AI in the Global South. In Proceedings of SAI Intelligent Systems Conference (pp. 734-744). Cham: Springer International Publishing.
4. Palmieri, L., Kaya, E., Prathap, G., Korb, A., Karahan, S., & Kavak, H. (2022, April). Investigating Disinformation Through the Lens of Mass Media: A System Design. In 2022 Systems and Information Engineering Design Symposium (SIEDS) (pp. 55-60). IEEE.
5. Prathap, G., Kaya, E., Palmieri, L., Korb, A., Karahan, S., & Kavak, H. (2022, April). A System to Study Anti-American Misinformation and Disinformation Efforts on Social Media. In 2022 Systems and Information Engineering Design Symposium (SIEDS) (pp. 31-36). IEEE.
6. Palmer, X. L., Potter, L., & Karahan, S. (2022, March). An exploration on APTs in biocybersecurity and cyberbiosecurity. In International Conference on Cyber Warfare and Security (Vol. 17, No. 1, pp. 532-535).
7. Palmer, X., Potter, L. N., & Karahan, S. (2021). COVID-19 and biocybersecurity's increasing role on defending forward. International Journal of Cyber Warfare and Terrorism (IJCWT), 11(3), 15-29.
8. Palmer, X. L., Potter, L., & Karahan, S. (2020). On the emerging area of biocybersecurity and relevant considerations. In Advances in Information and Communication: Proceedings of the 2020 Future of Information and Communication Conference (FICC), Volume 2(pp. 873-881). Springer International Publishing.
9. Palmer, X. L., & Karahan, S. (2020, March). Defending forward: an exploration through the lens of biocybersecurity. In ICCWS 2020 15th International Conference on Cyber Warfare and Security (p. 373). Academic Conferences and publishing limited.
10. Karahan, S., Wu, H., & Armistead, L. (2019, February). Evolution of US cybersecurity strategy. In International Conference on Cyber Warfare and Security (pp. 168-176). Academic Conferences International Limited.
11. Strategic Foresight Analysis, NATO ACT, 2017 (contribution and review)

12. Karahan, Saltuk B. "Energy as a factor for Turkish-Russian Rapprochement" , 2015 (Dissertation)

13. Karahan, Saltuk B. "Force – 2050 Future Operational Environment and Force Structure Projection", 2010 (lead author)

GRANT FUNDING

Role: Principal Investigator

Project: Cyber Policy Training and Competition Curriculum (Completed) Source: Coastal Virginia Commonwealth Cyber Initiative (COVA CCI) Time Period: 03/01/2020 – 12/31/2020

Total Funding: \$10,000

Role: Co-Principal Investigator

Project: Cybersecurity Monitoring and Assurance Training for Safe and Secure Port Operations (Completed)

Source: Commonwealth Cyber Initiative Time Period: 06/01/2021 – 08/31/2022

Total Funding: \$150,000

Role: Co-Principal Investigator

Project: Artificial Intelligence Based Analysis of Misinformation and Disinformation Efforts from Mass Media and Social Media in Creating Anti-U.S. Perceptions (Completed)

Source: Commonwealth Cyber Initiative

Time Period: 07/01/2021 – 06/30/2022

Total Funding: \$65,000

Role: Co-Principal Investigator

Project: CyberCorps Scholarship for Service: Preparing Future Cybersecurity Leaders

Source: National Science Foundation

Time Period: 07/01/2021 – 06/30/2026

Total Funding: \$3,900,000

Role: Principal Investigator

Project: Cybersecurity Clinic

Source: Coastal Virginia Commonwealth Cyber Initiative (COVA CCI)

Time Period: 07/01/2023 – 12/30/2024

Total Funding: \$225,000

RESEARCH / FIELD WORK EXPERIENCE

- NATO Cybersecurity Strategy Planning Meetings/Workshops (Norfolk, Brussels and Paris), October - November 2015

WORKING PAPERS

Capitalizing on Faculty-Advising Partnerships to Improve Female Student Experiences in Cybersecurity (NACADA, October 2024)

HONORS / AWARDS

- ODU Exemplary Leadership Award, 2023
- ODU Best Faculty Advisor Award, 2021
- ODU "Reign On" Faculty Recognition Award (formerly known as the Shining Star Award), 2020
- NATO Service Awards (2010, 2013, 2016)
- Distinguished Service Award, 2012
- Excellence in Education and Training Award, 2006
- Graduate Education Award, 2000

PROFESSIONAL CERTIFICATES

Prince2 Project Management, Boston University

Concept Development and Experimentation Certificate, NATO School Oberammergau

BOARD MEMBERSHIPS

Hampton Roads World Affairs Council Board Member

Journal of Information Warfare Editorial Board Member