Robert J. Kaufman
Associate Professor of Practice
Information Systems and Cyber Security Department
University of Texas at San Antonio

Education:

B.S., Electrical Engineering, Clemson University, 1982
M.S., Systems Analysis, University of West Florida, 1984
Post Graduate, Electrical Engineering, University of Colorado at Colorado Springs, 1992

Academic Experience:

University of Texas at San Antonio, Associate Professor of Practice, Department of
    Information Systems and Cyber Security, 2002 – present, full time
United States Air Force Academy, Associate Professor, Department of Computer Science,
    1988 – 1992, full time
University of Maryland, Ramstein AB, Germany, Adjunct Professor, 1995, part time
University of West Florida, Adjunct Professor, 1985, part time

Non-Academic Experience:

Senior Advisor, 318th Cyberspace Operations Group, 2018 - 2022
Deputy Director, 318th Cyberspace Operations Group, 2009 - 2018
Director/Branch Chief, Air Force Information Warfare Center, 2003 - 2009
Director, Air Force Computer Emergency Response Team, 2001 – 2003
Chief, Cyber Officer Assignment Team, 1998 - 2001
Commander, Communications Squadron, United States Air Force, 1996 -1998
European Communications Engineer, United States Air Force, 1992 - 1995
Test Engineer, United States Air Force, 1985 - 1988
Research Development Engineer, Air Force Weapons Laboratory, 1982 - 1985

Certifications or Professional Registrations:

GIAC Information Security Professional (GISP #2254)
GIAC Industrial Cyber Security Professional (GICSP #328)
Defense Acquisition University, Information Technology Level III

Current Membership in Professional Organizations:

Institute of Electrical and Electronic Engineers (IEEE)
Information Systems Security Association (ISSA)
Tau Beta Pi, National Engineering Honor Society
Armed Forces Communications and Electronics Association (AFCEA)

Honors and Awards:

2018 Air Force Meritorious Service Award
2017 San Antonio Cyber Hall of Honor Inductee

Service Activities:

ISCS SimSpace Cyber Range Implementation 2018-present
ISCS Cyber Online Program Development Efforts 2017-2019
COB CyberBit Range Implementation Effort 2018-2020
National Cyber Collegiate Defense Competition Judge 2006-2012

Courses Taught:

ISCS 3513, Information Assurance and Security, 2002 to present
ISCS 3523, Intrusion Detection and Incident Response, 2003 to present
ISCS 6303, Voice and Data Security, 2002 to present
ISCS 6323, Security Risk Assessment, 2003 to present
ISCS 6353, Security Incident Response,   2002 to present
ISCS 4513, Cyber Physical Systems, summer 2016
ISCS 6433, Supervisory Control and Data Acquisition, summer 2016
ISCS 6953, Independent Studies, 10 offerings, various topics, 2006-2021

Principal Publications/Presentations:

Kaufman, "Cyber Acquisition and Logistic Challenges", Air Force Institute of Technology, Europe and Pacific regions, February, June, August, and September 2021

Kaufman, "Cyber Acquisition and Logistic Challenges", Air Force Institute of Technology, Hickam Air Force Base, Hawaii, December, 2020

Kaufman, "Cyber Acquisition and Logistic Challenges", Air Force Institute of Technology, Nellis Air Force Base, Nevada, September 6, 2019

Kaufman, ADFSL 2018 Conference on Digital Forensics, Security and Law, "Cybersecurity Simulation--What's Our Kobyashi Maru", Association of Digital Forensics Security and Law, University of Texas San Antonio, May 17, 2018

Kaufman, et al. "Host Based, Network Enabled, Integrated Remote Interrogation System," U.S. Patent No. 9,860,258 B1, 2 Jan 2018

Kaufman, et al. "Shellshock Vulnerability Exploitation and Mitigation: A Demonstration," International Conference on Applications and Techniques in Cyber Security and Intelligence (ACTI17), June 2017, Ningbo, China

Kaufman, et al. "Operationalizing Cyber - Recommendations for Future Research," 12th International Conference on Cyber Warfare and Security, March 2017, Dayton, OH

Kaufman, "Cyber Security Dimensions: Operating in Cyber Space," Air War College, December 2016, Maxwell AFB AL

Kaufman, "Cyber Space: Opportunities to Innovate, Partner, and Deliver," International Conference on Technology, Policy, and Innovation, June 2015, Open University, Milton-Keynes, UK

Kaufman, "Synchronizing Network Defense Operations," Air and Command Staff College, February 2015, Maxwell AFB AL

Kaufman, "Operationalizing Network Defense," Air and Command Staff College, September 2014, Maxwell AFB AL

Kaufman, Rydell, and Fraser, "It's Time to Fight Back: Operationalizing Network Defense," Air and Space Power Journal, Winter 2010, Air University, Maxwell AFB AL

Kaufman, et al. "Strikestar 2025, New World Vistas: Air and Space Power for the 21st Century" May 1995, Air University Press, Maxwell AFB, AL