

Carole C. Angolano, Ph.D., CW5 (ret)

PROFILE

I am currently (November, 2022) a Professor at Salve Regina University and Trident University International, teaching courses related to Information Technology and Management, Advanced Persistent Threats, Advanced Digital Forensics, Malware Analysis, and Cyber Threats. I was a member of the Rhode Island Army National Guard for over 38 years and worked in the information technology arena for 32 years as a full time Federal technician. During this time, I developed strong leadership and organizational skills. I retired as a Chief Warrant Officer 5, serving as the Information Assurance Manager/Local Area Network Manager in Rhode Island and I also served as the Command Chief Warrant Officer for the state command.

EDUCATION

Ph.D. BA with a concentration in Information Technology Security, Trident University International, Cypress, CA, 2011

WORK EXPERIENCE

January 2011 – Present: I am a professor at Salve Regina University and Trident University International; specializing in Information Technology and Cyber Threat courses. A list of courses I currently teach/have taught is included. At Salve Regina University, I developed and teach (online and lecture) MS and MBA cyber security courses under the Administrative Justice and Homeland Security curriculum.

January 2012 – March 2013: Command Chief Warrant Officer, RIANG

June 1997 – March 2013: Information Technology Security Specialist, Department of Defense, Rhode Island Army National Guard. I served as the technical expert in my assigned information mission area, which involved managing multiple networks, designing network topology for state-of-the-art infrastructures, performing in-depth analysis of existing information technology systems, and provided remote access capabilities to the organization's wide area networks (WAN). I was responsible for the Defense Information Assurance Certification and Accreditation Process (DIACAP) of the multiple networks, including classified and non-classified LANs/WANs. I was also responsible for the Information Assurance Vulnerability Assessment (IAVA) compliancy for the classified and non-classified LANs/WANs. An additional duty was to train subordinates in information security and ensure all users completed their yearly training requirements in information assurance. I assisted and supported the U.S. Army, state and city law enforcement, and FBI Computer Emergency Response Teams (CERT).

May 1984 – June 1997: Senior Computer Programmer/Systems Analyst, Department of Defense, Rhode Island Army National Guard. I served as the senior programmer/analyst responsible for writing program code for applications for logistics, finance, purchasing, contracting, internal review, payroll, and personal actions such as military order processing and all aspects of administrative actions (transfers, promotions, etc.). I served as the primary instructor for users within the organization which involved designing user manuals, setting up classrooms, and instructing users in new technology or programs that were written locally and at the DoD level. An additional duty was to train junior programmers in all aspects of computer programming and analysis.

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November 1980 – May 1984: Data Communications Specialist, Department of Defense, Rhode Island Army National Guard. I was responsible for the classified data communications for the organization, which included all aspects of data communications, cryptographic operations and security, and classified communications security (COMSEC) accounting.

ADDITIONAL COMPUTER KNOWLEDGE

Extensive experience and proficiency in information assurance vulnerability assessments (IAVA) and patch/update management; MS Windows OS, MS Office, Adobe, Structural Equation Modeling (SEM) with LISREL, PASW (formerly SPSS), Lotus forms, and extensive knowledge in PC hardware and software upgrades, rebuilds, and networking. I worked extensively with all aspects of classified and non-classified LAN/WAN security operations. Digital Forensics, Cyber Management, Malware Analysis, Advanced Persistent Threats.

MILITARY

December 1974 – March 2013: U.S. Army, Rhode Island Army National Guard.

November 2009: Completed the Warrant Officer Senior Staff Course, Ft. Rucker, AL

December 2009 – Promoted to Chief Warrant Officer 5

PROFESSIONAL ORGANIZATION MEMBERSHIP

AAUW: American Association of University Woman

ACM: Association of Computing Machinery

American Legion, RI Affiliation

CSI: Computer Security Institute

IEEE: Institute of Electrical and Electronics Engineers

ISACA: Information Systems Audit and Control Association

IWLA: International Women's Leadership Association

Military Women's Memorial

MOAA: Military Officer's Association of America (life member)

NAPW: National Association of Professional Women

NRA: National Rifle Association (life member)

Rhode Island National Guard Retiree Association, Secretary

USAWOA: U.S. Army Warrant Officer Association

COLLEGE-LEVEL COURSES I TEACH:

Salve Regina University, Newport, RI (online and lecture)

MS/MBA:

Advanced Digital Forensics, Cyber Threat Analysis. Cyber Threat Management, Malware Analysis, Advanced Persistent Threats

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Trident University International, Cypress, CA (online)

BS/BA and MS/MBA:

Multiple courses in all aspects of Information Technology Security and Management; Knowledge Management, Business Ethics and Social Issues, Database Administration, Business Intelligence, Network Planning and Administration, Systems Engineering, Business Processing, Policy Management, Project Management, Human Computer Interaction, Operations Management, Network Technology, Network Administration, etc.

PhD:

Courses in preparation for the PhD dissertation and DSP. Serve as a dissertation committee member and dissertation committee chairperson for PhD DBA and DSP students.

PUBLICATIONS:

Association for Computing Machinery (ACM) SIGMIS-CPR (Computers and People Research Conference): 2008, 2012

Guzman, I., Angolano, C., Stam, K., & Hans, S. (2009). Cyber Security and Global Information Assurance. (Chapter IX – Human Factors in Security: The Role of Information Security Professionals within Organizations). IGI Global. Hershey, PA.