

Carole C. Angolano, Ph.D.

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Bio:

Dr. Angolano is currently a Professor at Trident University International (CA) and Salve Regina University (R.I.), teaching courses related to Information Technology Security, Information Technology Management, Systems Development, Advanced Persistent Threats, Cyber Threat Analysis, and Cyber Threat Management. Dr. Angolano was a member of the Rhode Island Army National Guard for over 38 years and also worked in the information technology arena for 32 years as a full time Federal technician for the R.I. Army National Guard, Department of Defense. During this time she developed strong leadership, analytical, technical, and organizational skills. She retired as a Chief Warrant Officer 5, serving as the Information Assurance Manager/Local Area Network Manager, Registration Authority, and COMSEC technician in Rhode Island and she also served as the Command Chief Warrant Officer for the state command. Her highest military awards are the Legion of Merit, Meritorious Service, and the Rhode Island Star. Dr. Angolano graduated from Trident University International in 2011 with a Ph.D. BA with a concentration in Information Technology Security. She was published in the ACM SIGMIS in 2008 and 2012 and co-wrote a chapter in *Cyber Security and Global Information Assurance* (2009). Dr. Angolano is on a mission to educate students and citizens on how to protect their personal and professional identify in this highly technical and evolving world we live in.

Areas of Expertise:

Dr. Angolano's areas of expertise include (a) cyber threat analysis, (b) cyber threat management, (c) advanced persistent threat analysis, (d) information technology security, (e) information technology management, (f) systems development and design, (g) information assurance, (h) and cyber threat analysis digital forensics.

Dr. Angolano worked for the Department of Defense for over 32 years and specialized in communications security, classified and non-classified network management, and all areas of information technology security and assurance. She served as the technical expert in her 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 installations wide area networks (WAN). She was responsible for the Defense Information Assurance Certification and Accreditation Process (DIACAP) of the multiple networks, including classified and non-classified LANs and WANs. She was also responsible for the Information Assurance Vulnerability Assessment (IAVA) compliancy for the classified and non-classified WANs. An additional duty was to develop training programs and train all personnel in information security and ensure all users completed their yearly training requirements in information assurance. She assisted and supported the U.S. Army, state and city law enforcement, and the FBI Computer Emergency Response Teams (CERT).

Dr. Angolano possesses 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.

Dr. Angolano has been a professor at Trident University International since 2011 teaching numerous courses related to information technology security at the undergraduate, graduate, and post graduate level.

Dr. Angolano has been a professor at Salve Regina University since 2012 teaching courses in cyber threat analysis, cyber threat management, and advanced persistent threats at the graduate level. She developed the courses for on-line and lecture under the Homeland Security and Administrative Justice division.

Dr. Angolano is an active member of numerous professional organizations including the Association of Computing Machinery, American Association of University Woman, Computer Security Institute, Institute of Electrical and Electronics Engineers, International Women's Leadership Association, National Association of Professional Women, U.S. Army Warrant Officers Association, and Military Officer's Association of America.

EDUCATION

MBA in Computer Information Systems from City University, Renton, WA 1999

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 Trident University International and Salve Regina University; specializing in Information Technology courses 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) the MS and MBA cyber and advanced persistent threat courses under the Administrative Justice and Homeland Security curriculum.

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 installations 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 and WANs. I was also responsible for the Information Assurance Vulnerability Assessment (IAVA) compliancy for the classified and non-classified 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).

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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. An additional duty was to train junior programmers in all aspects of computer programming and analysis.

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 local area network (LAN) security operations.

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 ORGANIZATIONS MEMBERSHIP

ACM: Association of Computing Machinery

AAUW: American Association of University Woman

MOAA: Military Officer's Association of America

IEEE: Institute of Electrical and Electronics Engineers

IWLA: International Women's Leadership Association

NAPW: National Association of Professional Women

USAWOA: U.S. Army Warrant Officers Association

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COLLEGE-LEVEL COURSES I TEACH/HAVE TAUGHT

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

MS and MBA

ADJ530: Cyber Threat Analysis

ADJ531: Cyber Threat Management

ADJ579: Advanced Persistent Threats

Trident University International, Cypress, CA (online)

BS

ITM206: Introduction to Business Process and ERP Systems

ITM301: Principles of Information Systems in Business and Organizations

ITM306: Foundations of Management Information Systems

ITM423: Systems Acquisition, Systems Development, and Project Management

ITM425: Computer Engineering

ITM431: Introduction to Information Technology Security

ITM433: Human Computer Interaction

ITM434: Business Ethics and Social Issues in Computing

ITM436: Operations Management and Operations Information Systems

ITM437: Information Security and Technology

ITM438: Information Security Management and Assurance

ITM422: Administering Information Technology Infrastructure

ITM423: Systems Acquisition Systems Development and Project Management

ITM440: Database Technology and Database Administration

ITM441: Network Technology and Network Administration

ITM442: Knowledge Management and Business Intelligence

ITM490: Capstone in Information Technology Management

MS and MBA

ITM517: Information Security Overview for Managers and Policy Makers

ITM550: Network Planning and Administration

ITM555: Systems Engineering

PhD

ITM604: Seminar in Information Systems

Course descriptions are available upon request.

