



Dr. John N. Carbone has served the defense industry for ~36 years. Dr. Carbone currently serves as Senior Technical Director/Chief Solutions Architect and science advisor to Everfox (Formerly Forcepoint, LLC), within their Global Governments and Critical Infrastructure division. Prior to Everfox, he has served as Raytheon Engineering Fellow, Chief Science Advisor, Product Area Technology Director, Chief Engineer for Innovation, and Chief Data Architect & Scientist for globally distributed Big Data, High Performance Compute, and Cloud programs.

Dr. Carbone received his undergraduate degree in Computer Science from Baylor University, MSE from Texas Tech University, Software and Systems Engineering from University of Texas at Austin, and Mechanical Engineering PhD from Texas Tech University where his research focus was enhancing information theory by combining cognition-based frameworks, processes, and adaptations of space-time relationship mechanics.

Dr. Carbone began his career developing real-time embedded voice, cyber, and data communications solutions for satellite tracking and secure switching systems. Subsequently, he forged bridges between High Performance Computing environments and Cloud architectures for distributed enterprises. Dr. Carbone was instrumental in providing architecture, design, implementation, security, and fielding of software systems which led to the development of strategic analysis focused information sharing automation programs considered paradigm shifts for US government organizations.

Dr. Carbone has submitted and received national/international software patents, and publishes and edits research for books, journals, conferences, and symposia. Topics include Artificial Intelligence, Cyber Security, Mining Big Data to Improve National Security, Multi-Disciplinary Systems Engineering, Artificial Cognition Architectures, Applied Cyber Physical Systems, AI infused limbs, hearing, and gait sensing prosthetics, Artificial Psychology, Modeling Human Emotions & Testing Artificially Cognitive Systems. Furthermore, Dr. Carbone has advanced data and networking research in Artificial Intelligence, dynamic content discovery, dynamic workflow and analytics provisioning for static and streaming data sources, geospatial intelligence enterprise systems, big data analytics, disruption tolerant networking technology, and cognitive computing-based frameworks for enhancing the decision making of autonomous systems.

Dr. Carbone's academic efforts included Adjunct Professor at Southern Methodist University and currently Baylor University for Graduate Level AI Learning Machine Design and Advanced Data Science, industry advisory boards for Baylor University (CS), Texas Tech University (CS & Cyber), Texas A&M Commerce (CS)(co-chair) for curriculum and ABET accreditations, and University of Texas, Dallas School of Management, and industry board for the Journal of Integrated Design and Process Science (JIDPS).

Lastly, Dr. Carbone's professional society efforts have included VP North America and Education Director of the Society for Design and Process Science (SDPS), and Association for Computing Machinery (ACM). He has worked to develop long lasting joint academia-industry relationships for advancing transformational K-20 Science, Technology, Engineering, and Math (STEM), and transformational curriculum and teaching of Artificial Intelligence, Data Science, and Computational Thinking.