MEMBER

Neil G. Siegel, Ph.D.

IBM Professor of Engineering Management in the Epstein Department of Industrial and Systems Engineering within Viterbi School of Engineering at the University of Southern California

EXPERIENCE

Dr. Neil Siegel is a recognized expert in the design and development of large, complex systems that serve important societal needs. Until the end of 2015, he held the position of Sector Vice President and Chief Technology Officer, Northrop Grumman. He led the sector's 12,000+ scientists and engineers, directed their technology activities and research, and oversaw the development of solutions for the customers' most complex problems. He served as a Vice President of Northrop Grumman for nearly 18 years. Dr. Siegel led the engineering on a large number of successful fielded military, intelligence, and commercial systems, including U.S. Blue-Force Tracker, the Army's first unmanned aerial vehicle, the Forward-Area Air Defense system, and many others. These systems have repeatedly been cited as model programs and important national capabilities. He has inventions that are used in a billion consumer devices around the world, and he holds more than 50 issued and pending patents world-wide. His honors include election to the National Academy of Engineering, membership in the National Academy of Inventors, the IEEE Simon Ramo medal for systems engineering, and many others.

EXPERTISE

- Systems Engineering
- Mission Systems
- Tactical Systems
- U.S. Blue-Force Tracker
- Forward-Area Air Defense System
- Drug-Interaction Analysis
- Unmanned Air Vehicles
- Ground-based, Short-range Air Defense Systems
- Ground-based Laser Weapon Systems

EDUCATION

University of Southern California, Ph.D., Industrial & Systems Engineering, 2011

University of Southern California, M.S., Mathematics, 1976

University of Southern California, B.S., Mathematics, 1974