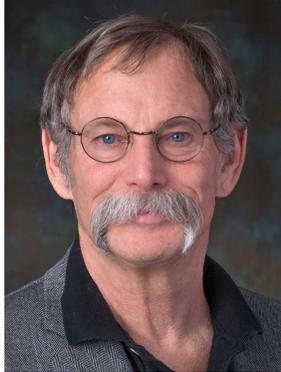


Neil Siegel

IBM Professor of Engineering Management
University of Southern California, Viterbi School of Engineering



Neil Siegel is the IBM Professor of Engineering Management in the Viterbi School of Engineering at the University of Southern California. He is a recognized expert in the design and development of large, complex systems that serve important societal needs, both as a practitioner at the largest scales, and as a researcher.

Until the end of 2015, he held the position of vice-president and chief technology officer of Northrop Grumman's Information Systems sector. He led the sector's technology activities, provides oversight of the sector's research portfolio, and oversees the development of solutions for our customers' most complex and most important problems. Prior to that role, Dr. Siegel was the sector's vice-president and chief engineer, where he oversaw the sector's 12,000-plus scientists and engineers, directed engineering process improvements, and led activities intended to further the development of the company's top technical talent.

Previously, Dr. Siegel served as vice-president and chief technology officer of Northrop Grumman's Mission Systems sector, and vice-president and general manager of the company's Tactical Systems division. He has been responsible for several projects outside of the United States, including work in the U.K., Egypt, Germany, Turkey, and Saudi Arabia. He served as a vice-president of the company for nearly 18 years.

Dr. Siegel led the engineering on a large number of successful fielded military, intelligence, and commercial systems, including the 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 also led work for the steel industry, the movie industry, and other commercial enterprises. He has a large number of inventions that have been implemented into fielded products and systems (including commercial products by companies like Garmin, Microsoft, and Apple), and holds more than 20 issued patents worldwide.

His expertise is recognized by the U.S. Government, as indicated by past membership on the Defense Science Board, the Army Science Board, and other senior government advisory panels. He is also in demand as a speaker for both academic and conference settings. In addition to his position on the faculty at the University of Southern California, he also holds the position of adjunct professor of engineering at the University of California, Los Angeles.

He is certified by the International Congress on Systems Engineering (INCOSE) as an expert systems engineering practitioner (ESEP), and also a certified "black-belt" practitioner in the well-known 6-sigma process-optimization methodology.

Dr. Siegel has a doctorate in systems engineering from the University of Southern California. His advisor there was noted computer scientist & systems engineer Barry Boehm.

His many honors include:

- Election to the U.S. National Academy of Engineering
- Selection as a fellow of the IEEE
- The IEEE Simon Ramo Medal for systems engineering and systems science
- The company's Chairman's Award for Innovation (three times)
- The Army's Order of Saint Barbara
- The iCMG award for system architecture
- The Northern Virginia Technology Council CTO-of-the-year award

Public service includes board positions for charitable organizations, 10 years as an elected public official (California Hazard Abatement District board), and an advisory role for the research foundation of the State University of New York.