

New York Institute of Technology &

The IEEE Long Island Section

Are pleased to host a talk titled:

Technology and Technical Work: Shaping our Common Future



Speaker: Stephen Welby, Executive Director and Chief Operating Officer of the Institute of Electrical and Electronics Engineers (IEEE)

Date and Time: Monday April 22nd 2019 at 6:00pm

Location: Long Island Campus: Serota Academic Center, Mollie Rogers Auditorium, Northern Blvd, Old Westbury, NY 11568

- This seminar is free but registration is required. Register [HERE](#).
- Refreshments will be served at 5:45pm, and the talk starts 6:00pm.
- NYIT Alumni Event follows immediately at 7:00 PM.

Abstract:

What technologies will have the greatest impact over the next decade?

What are the key challenges effecting our communities, our nation and our planet? Can technology help shape our solutions to these challenges? How are the roles of Engineers and technologists in the 21st century changing in response to these challenges and opportunities? IEEE Executive Director Stephen Welby will discuss the intersection of technology, technological work and the public good.

Speaker Biography:

Stephen Welby is the **Executive Director and Chief Operating Officer of the Institute of Electrical and Electronics Engineers (IEEE)**. IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity. IEEE and its members inspire a global community to innovate for a better tomorrow with more than 423,000 members in over 160 countries, and through its highly cited publications, conferences, technology standards, and professional and educational activities. IEEE is the trusted "voice" for engineering, computing, and technology information around the globe.

Prior to joining IEEE, in 2015 Stephen was nominated by President Obama and confirmed by the US Senate as the **Assistant Secretary of Defense for Research and Engineering**. In this role, he served as the chief technology officer for the U.S. Department of Defense, leading one of the largest and most complex research, development, and engineering organizations in the world. He oversaw a \$12.5B annual investment portfolio, managed internal and collaborative research and engineering efforts, drove a culture that valued innovation, and supported the department's global technical engagement.

Stephen has more than three decades of government and industrial experience in technology and product development, including holding a number of **senior leadership positions at the Defense Advanced Research Projects Agency (DARPA)**. His technical experience includes development of leading edge aeronautical and space systems, robotics, machine learning, high-performance software, and sensor systems.

Stephen holds a bachelor of science degree in chemical engineering from The Cooper Union for the Advancement of Science and Art, a master's degree in business administration from the Texas A&M University, and master's degrees in computer science and applied mathematics from The Johns Hopkins University. Stephen is a fellow of the IEEE.