

Nancy Leveson

professor of Aeronautics and Astronautics at MIT, Massachusetts Institute of Technology, USA



Title: Technology has Changed, So too must Loss Prevention

Abstract: Chemical engineering technology is changing. These changes are increasing the complexity of our plants as well as the role of humans within them. Because the causes of accidents is changing, just trying to use or expand the traditional approaches to preventing losses will not work. Instead, new approaches to preventing losses are required.

Bio: Dr. Nancy Leveson is professor of Aeronautics and Astronautics at MIT. She is an elected member of the National Academy of Engineering (NAE). Prof. Leveson conducts research on the topics of system safety, software safety, software and system engineering, and human-computer interaction. In 1999, she received the ACM Allen Newell Award for outstanding computer science research and in 1995 the AIAA Information Systems Award for “developing the field of software safety and for promoting responsible software and system engineering practices where life and property are at stake.” In 2005 she received the ACM Sigsoft Outstanding Research Award. She has worked in the field of system safety engineering for over 40 years, publishing over 400 papers, three books, and consulting widely.