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Nancy Leveson

PROFESSOR OF AERONAUTICS AND ASTRONAUTICS

Contact

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Nancy Leveson is Professor of Aeronautics and Astronautics and also Professor of Engineering Systems 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 published more than 200 research papers and is author of two books, "Safeware: System Safety and Computers," published by Addison-Wesley (1995), and "Engineering a Safer World," published by MIT Press (2012). She consults extensively in for industries on ways to prevent accidents.

Academic Degrees

B.A, UCLA M.S., UCLA Ph.D., UCLA

Honors and Awards

Member, National Academy of Engineering; ACM 1999 Alan Newell Award; AIAA 1995 Information Systems Award; Hodgins Lecturer, McMaster University; Landsdown Professor, Univ. of Victoria; Conte Lecturer, Purdue University; ACM Fellow; ACM Faculty Awards for Women, 1990

Society Memberships

ACM, Institute of Electrical and Electronics Engineers, Computer Society, System Safety Society, AIAA

Positions Held at MIT

Professor, 1999-present

Positions Held outside MIT

Boeing Professor of Computer Science, University of Washington

Specialization and Research Interests


System safety, organizational safety and safety culture, software engineering, safety of software controlled systems, system engineering, system safety engineering, human computer interaction

Teaching Interests

Software Engineering, System and Software Safety, Human-Computer Interaction

Lab/Research Group Affiliation

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