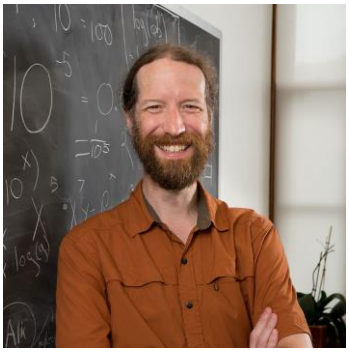
Carnegie Mellon University

Neil McPherson Donahue



Neil McPherson Donahue is the Thomas Lord University Professor of Chemistry in the Departments of Chemical Engineering, Chemistry, and Engineering and Public Policy at CMU. He also serves as Director of the Steinbrenner Institute for Environmental Education and Research, which represents and seeks to enhance environmental scholarship across the institution. He is a Pittsburgh native. His father taught Physics at Pitt before moving to the University of Michigan in the mid-1970s. Donahue received an AB in Physics from Brown University in 1985 and a PhD in Meteorology from MIT in 1991. He spent 9 years as a research scientist at Harvard before joining the CMU faculty and returning to Pittsburgh in 2000.

Donahue's scientific goal is to understand how Earth's atmosphere works, and how humans affect the atmosphere. His research group focuses on the behavior of organic compounds in Earth's atmosphere, and he is recognized as a world expert in the atmospheric processing of compounds emitted from both natural sources and human activity. Recently his research has focused on the origin and transformations of organic particulate matter, which plays a critical role in climate effects and human health effects driven by fine particles. Particles scatter light, influence clouds, and kill roughly 100,000 people each year in the US and 7 million globally. He has been an ISI highly-cited researcher since 2014, received the Pittsburgh and Esselen Awards from the American Chemical Society, and is a Fellow of the American Geophysical Union and the American Association for Aerosol Research.