



Donald L. Blumenthal

Chairman Emeritus



Dr. Blumenthal was one of the founders of STI and, until his retirement in 2007, was responsible for the direction of STI's research and industrial service activities as well as for new business development. Dr. Blumenthal's contributions to the air quality field include his work on understanding the three-dimensional distribution and transport of pollutants; his pioneering use of light aircraft to document pollutant spatial distributions, transport, and transformations; his design and management of large-scale field studies; and his ability to bring together government and industry to jointly and objectively study air quality issues.

His technical publications focus on the three-dimensional distribution and transport of pollutants.

Dr. Blumenthal has been principal investigator and/or program manager for many large-scale, successful field research programs over the past 40 years. Starting in 1990, he was the principal investigator for the anchor site measurements for the \$3 million California Regional PM₁₀/PM_{2.5} Air Quality Study (CRPAQS) and was technical coordinator for the \$12 million NARSTO-Northeast Air Quality Study. He was co-principal investigator of the \$3 million Mt. Zirkel visibility study in Colorado; he was a member of the management team for the \$12 million Navajo Generating Station Winter Visibility Study; and he helped design the \$5 million Gulf of Mexico Air Quality Study. In the 1980s, he was the program manager for the design of the \$16 million San Joaquin Valley Air Quality Study and was the program coordinator for the \$14 million Southern California Air Quality Study. Other projects managed by Dr. Blumenthal include an acid fog study for the Coordinating Research Council, a study of air transport between Los Angeles and Ventura Counties (California), a San Joaquin Valley ozone distribution study, the aerometric aircraft component of the South Central Coast Cooperative Air Monitoring Program (SCCCAMP) for the Western Oil and Gas Association, and tracer and visibility studies for the U.S. Navy at China Lake, California. He also directed portions of the U.S. Environmental Protection Agency (EPA) MISTT, STATE, SCRUB, and VISTTA programs; the EPRI SURE aircraft program; the California Air Resources Board (CARB) Three-dimensional Gradient Study; and numerous other studies for the EPA, CARB, EPRI, and industry throughout the United States.

Prior to founding STI, Dr. Blumenthal was the Director of the Research Division of Meteorology Research, Inc. In the past, his duties included development of meteorological and air pollution instrumentation and measuring techniques.

Dr. Blumenthal was a long-term member and past chair of the Editorial Review Board of the *Journal of the Air & Waste Management Association* (AWMA). He was also awarded the AWMA's 2001 Frank Chambers Award for outstanding achievement in the science and art of air pollution control.

Dr. Blumenthal was an instrument-rated commercial pilot.

Education

- PhD, Aeronautics, California Institute of Technology
- BS, Engineering, California Institute of Technology

Memberships

- Air & Waste Management Association
- American Association for the Advancement of Science

For a list of publications, see sonomatech.com/ResPub/DLBpub.pdf.