



YSA President

Dr. Ted Yamada, one of the world's leading experts in atmospheric airflow research and modeling, is the Founder and President of YSA. Dr. Yamada is the chief developer of YSA's HOTMAC/RAPTAD, a multiscale atmospheric modeling system.

In March 2004, Dr. Yamada served as a member on one of the six Independent Review panels for the Army's Basic Research Review. This in-house exploration focuses on Army-unique research for the Future Force.

Dr. Yamada was invited as a subject-matter expert and panelist during a meeting of the OFCM (Office of the Federal Coordinator for Meteorological Services and Supporting Research) Joint Action Group for the Atmospheric Transport and Diffusion Modeling (Research and Development Plan) (JAG/ATD(R&DP)) on January 2004.

From 2000 – 2004, Dr. Yamada was the chairman of the AMS Committee on Meteorological Aspect of Air Pollution. He has been invited by the Hong Kong Environmental Protection Department, universities, and institutions in Taiwan, Japan, Singapore, and Thailand to present seminars on air pollution modeling over complex terrain and atmospheric boundary layer modeling. Seminar attendees included an international group of regulatory agencies, environmental consulting companies, industries, and research institutions

Dr. Yamada joined Los Alamos National Laboratory in 1981, where he led the mesoscale modeling team. From 1976 to 1981, he worked on developing a three-dimensional atmospheric model for airflows over the complex terrain at Argonne National Laboratory.

As a member of the research staff at Princeton University from 1972 to 1976, he developed the Mellor-Yamada turbulence closure scheme in collaboration with Professor George Mellor. The model has been used worldwide for atmospheric and oceanographic applications. The publication, "Development of a Turbulence Closure Model for Geophysical Fluid Problems" by

Mellor and Yamada (1982), is considered one of the most widely cited papers in its field.

In 1984, Dr. Yamada was honored with highest distinction by the Meteorological Society of Japan for his contributions to the understanding of the atmospheric boundary layer by using the turbulence-closure model. He also received The Distinguished Service Award in 1990, the highest honor bestowed on alumni from Colorado State University. Dr. Yamada was elected in 2008 as a Fellow of the American Meteorological Society.

[Ted's Bio in Japanese](#)