Asian American Engineer of The Year

Dr. Weidong Song
Technical Fellow
The Boeing Company

Citation:
A prolific, internationally renowned innovator in nanotechnology, advancing aerospace materials and manufacturing technologies for a quality and cost-competitive edge.

Dr. Weidong Song is a technical fellow and senior composite materials and process engineer with Boeing Commercial Airplanes. He is an internationally recognized and prolific innovator with more than 40 invention disclosures and patents in the areas of composite materials and processes; drag reduction technologies; bonding and joining; airplane sealing; and automated manufacturing systems. Weidong has authored more than a dozen papers in the field of space propulsion, aerospace materials, and nanotechnology. He has served as guest editor and referee for world renowned scientific journals.

Before his current role, Weidong served from 2004 to 2012 as a lead structures engineer and led multi-disciplinary teams supporting the design and certification of the 787 payloads system. During the development of the 787, his technical knowledge and leadership skills helped solve many complex technical issues and achieve major weight savings.

Honoring his outstanding contributions to advancing aerospace technologies and The Boeing Company’s competitive advantage, Weidong was recognized with the Boeing Commercial Airplanes Engineer of the Year award in 2012. He was also selected as an Outstanding Young Engineer by the National Academy of Engineering to attend the 2013 Frontiers of Engineering Symposium. In 2014, he won the Most Promising Asian American Engineer of the Year award by the Chinese Institute of Engineers-USA.

As a volunteer, Weidong is actively involved in the Boeing After-School STEM Academy, promoting science, technology, engineering, and mathematics education in elementary schools in Washington.

A native of Shandong province in China, Weidong moved to the United States in 1998. He acknowledges the hurdle of overcoming culture shock. With a mindset of respect for different cultures and traditions, his leadership style is one of bridging differences.

Weidong is married with two children. In his spare time, he enjoys gardening, sailing, and traveling with family.