

# Shanying Zeng



**Shanying Zeng, Ph. D.**

## Biography

Dr. Shanying Zeng grew up in Hunan, China, quite familiar with the roar of jet engines being tested as both parents worked for an airplane engine company. Dr. Zeng has forged a career that encompasses her passions for aerospace, global technology collaboration and lifelong learning.

Dr. Zeng is a Technical Fellow and Technical focal for environmental technology portfolio at Boeing Research and Technology that focuses on hazardous material reduction consisting of 20+ projects with ~100 technologists from different organizations. One urgent task is to replace all materials in Boeing commercial and military airplanes that contain DecaBDE flame retardant, which is being phased out.

Previously, Dr. Zeng was Chief Scientist for Boeing Research & Technology China and has played a key role in forming strategic technology alliances in Europe, Russia, Ukraine and Taiwan. Dr. Zeng has been honored with many prestigious awards including the 2013 Boeing Technical Replication Award, the 2013 SAMPE Fellow, 2013 Industry Engineer of the Year Award from the Puget Sound Engineering Council, 2012 AIAA Associate Fellow, 2013 and 2006 All Star Award

from Women of Color in Technology, and 2006 Boeing Technical Fellow.

She has multiple degrees in chemical engineering, polymer composites, material science and business administration.

Dr. Zeng is prolific in sharing her expertise through technical papers, keynote speeches and presentations around the world. She is a member of and served in various leadership capacities for professional organizations including the Society for the Advancement of Material and Process Engineering, Society of Chinese American Aerospace Engineers, Chinese Society of Aeronautics and Astronautics, and American Institute of Aeronautics and Astronautics. In particular, Dr. Zeng introduced the SAMPE Student Composite Bridge/Wing competition to China and Malaysia.

Dr. Zeng enjoys art and music. As a member of The Huayin Performing Arts Group, she has performed at Seattle Seafair and other local community/charitable events.