48th AIAA Dayton-Cincinnati Aerospace Sciences Symposium

Please join us at 11:40 for the Keynote Program:

Welcome and Announcements:

DR. ZIFENG YANG

*2023 DCASS Executive Chair*

Keynote Address:

NASA Aeronautics Vision for Transforming Aviation

MS. SUSAN GORTON

*NASA Revolutionary Vertical Lift Technology Project Lead*

A person wearing glasses

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The NASA Aeronautics vision includes enabling new options for air travel using vehicles propelled by electricity, flying passengers faster than the speed of sound, and by managing air traffic at every altitude with the help of new automated systems that are even safer and more efficient than today.

Ms. Susan Althoff Gorton will provide an overview of the NASA Aeronautics Mission Directorate current focus on transforming aviation to make it more sustainable and more accessible than ever before, with emphasis on the challenges and research in the emerging market of Advanced Air Mobility.

Ms. Gorton has been with NASA for 24 years and has been the NASA Revolutionary Vertical Lift Technology Project lead for the past 16 years. The project mission is to develop and validate tools, technologies, and concepts to improve vertical lift vehicles. Ms. Gorton is responsible for the work in this area that is conducted at NASA Ames, Armstrong, Glenn and Langley. Prior to joining NASA, she was a researcher in the Army’s Aeroflightdynamics Directorate, now known as the Technology Development Directorate, for 15 years.

Ms. Gorton has a Bachelor of Science in Aerospace Engineering from the University of Illinois and a Master of Science in Aeronautics from the George Washington University. Ms. Gorton has authored or co-authored over 85 publications, and she is the recipient of numerous awards, including the NASA Outstanding Leadership Medal (three times), the NASA Exceptional Achievement Medal, the Army Civilian Service Medal, the Army Research and Development Award, the University of Illinois Aerospace Engineering Outstanding Alumna award, and the Vertical Flight Society’s AgustaWestland International Fellowship Award. She was recently part of the team that won the Collier Trophy for the Ingenuity Mars Helicopter.

Ms. Gorton is an Honorary Fellow of the Vertical Flight Society and Associate Fellow of the AIAA. She also holds a helicopter private pilot’s license.