Biography

Image Credit: NASA/ Sara Lowthian-Hanna

Angela Surgenor

Deputy Director, Transformative Aeronautics Concepts Program (TACP)
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Angela Surgenor is the deputy director for the Transformative Aeronautics Concepts Program (TACP) within the Aeronautics Research Mission Directorate (ARMD) at NASA Headquarters in Washington, DC. Collaborating closely with the program director, Surgenor oversees the strategic planning, management, and assessment of ARMD's initiatives aimed at fostering revolutionary concepts, tools, and technologies to drive the transformation of aviation.

Surgenor supports TACP's role in soliciting and promoting innovative ideas, creating an environment conducive to research experimentation, exploring essential technologies, developing new computational and experimental tools, conducting ground and small-scale flight tests, embracing failures as learning opportunities, and catalyzing the transition of concepts into future capabilities.

Before assuming her current position, Surgenor served as associate director for TACP. In this capacity, she led efforts in technical integration, strategic planning, technology development, implementation, and evaluation. Additionally, she spearheaded the NASA Aeronautics annual imaginAviation networking and outreach event.

Prior to joining TACP, Surgenor spent four years as the technical integration manager of program performance within the Advanced Air Vehicles Program within ARMD. In this role, she was responsible for strategic planning, technical integration, and organizational alignment to achieve research project objectives in line with ARMD's long-term strategic plans.

Earlier in her career, Surgenor served as a research engineer for nine years in the propulsion branch of NASA's Glenn Research Center in Cleveland, focusing on low-emissions combustor technology development. She managed project milestones, budget planning, technical capabilities assessment, risk analysis, scheduling, and performance tracking. Before leading combustion research at NASA Glenn, she worked as a mechanical technician for seven years, gaining hands-on experience in combustion and turbomachinery test facilities.

Surgenor holds a Master of Engineering Management degree from Ohio University, a Bachelor of Applied Science in Mechanical Engineering from Cleveland State University, and an Associate of Applied Science in Mechanical Engineering Technology from Cuyahoga Community College.