SBIR/STTR
Small Business Innovation Research / Small Business Technology Transfer

Matthew Deans [1]

NASA SBIR/STTR Post-Phase II Workstream Lead

Dr. Matthew Deans is the NASA SBIR/STTR program's Post-Phase II Workstream Lead. He provides strategic direction and oversight for multiple award vehicles to promote the transition, acceleration, infusion, and commercialization of small business technologies developed under the SBIR/STTR program.

Dr. Matthew Deans spent the first part of his career conducting multiple in-space propulsion research, development, and spaceflight projects, transitioning technologies across the Technology Readiness Level (TRL) spectrum. He began his civil servant career at the NASA Glenn Research Center (GRC) in 2010. He served as NASA GRC's Co-Investigator on the Green Propellant Infusion Mission (GPIM), which conducted the first in-space demonstration of a US-produced green monopropellant, AF-M315E, now known as the ASCENT (Advanced Spacecraft Energetic Non-toxic Propellant) green monopropellant. Dr. Matthew Deans served as the Orion European Service Module (ESM) Orbital Maneuvering System Engine (OMS-E) Thrust Vector Control (TVC) system lead under the Artemis Program. He has also served in various propulsion technology subject matter expert, technology assessment, procurement, and oversight roles across all four NASA Mission Directorates. Dr. Matthew Deans transitioned to support the SBIR/STTR program, initially serving as the GRC Center Technology Transition Lead (CTTL) and infusion manager, overseeing the portfolio of SBIR and STTR developments in all of GRC's technology core competencies, before moving into the SBIR/STTR Program Management Office Workstream Lead role.

He holds a Doctorate from Case Western Reserve University (CWRU) in Aerospace Engineering, concentrating in the ignition of methane/oxygen propulsion systems, as well as Bachelor's and Master's degrees from CWRU, both in Aerospace Engineering.