

Dr. Dean C. Hines
Scientist, MIRI Instrument Team Lead



Dr. Dean C. Hines uses instruments aboard space telescopes to investigate active galaxies, quasars, stellar evolution, and the formation and evolution of planetary systems, including our solar system. He studied physics and astrophysics at the New Mexico Institute of Mining and Technology where he received bachelor's and master's degrees, and then went on to obtain a doctorate in astronomy from the University of Texas at Austin. Dean was a post-doc at the University of Arizona and worked on the Near Infrared Camera and Multi-Object Spectrometer, which was installed on the Hubble Space Telescope in 1997. Subsequently, he was appointed to the research faculty at Arizona where he worked on the Multiband Imaging Photometer for Spitzer, which was an instrument aboard the Spitzer Space Telescope launched in 2003. Dean is currently a scientist at the Space Telescope Science Institute where he is the team lead for the Mid-Infrared Instrument, which will be launched aboard the James Webb Space Telescope in 2018. In addition, Dean is an Adjunct Associate Professor at the University of New Mexico and a Senior Research Scientist with the Space Science Institute. He is a member of the American Astronomical Society and has co-authored more than 400 scientific contributions, with more than 140 appearing in peer-reviewed journals.

His father worked on earth resource satellites and systems for the Apollo program. At just six months old, Dean watched the Faith-7 Mercury launch and didn't miss a subsequent televised launch until well into the space shuttle program. In fourth grade *A Wrinkle in Time* inspired him to become an astrophysicist. He has mild cerebral palsy, therefore, being an astronaut was not possible, but working in astronomy and astrophysics has been his ticket to the stars.