

Laurie Carillo  
TAMS Class of 1994  
Distinguished Alumnae 2010



Laurie Carillo is a 1994 graduate of TAMS, who graduated from Rice University in 1998 with a Bachelors of Science in Material Science and Engineering and a Bachelors of Arts in Mathematics/Computations and Applied Mathematics.

She earned a Master's Degree in Aerospace Engineering from the University of Colorado and, as of 2010, was in the process of completing a Ph.D. in Mechanical Engineering at Rice. She holds an "Ascent Analyst certification" and a Texas Professional Engineering License.

Laurie has worked for NASA since 1994, beginning in the NASA Johnson Space Center Mission Operations where she evaluated mission trajectory designs, and provided flight support for the ascent analysis phase of the Space Shuttle. She then worked in the Advance Curation Lab investigating techniques for handling extraterrestrial materials, followed by two years in the Advances Space Propulsion Lab. After this experience, she spent three years in the Engineering Thermal Structural Office studying space station passive thermal control.

Most recently, Laurie supported the STS-131 shuttle launch, monitoring passive thermal control systems on the International Space Station and during space walks.

She has authored numerous publications on heat exchange and astromaterials, and received many awards for her academic and engineering achievements.

At the 2010 graduation ceremony where Laurie was presented with the Distinguished Alumnae Award, Dr. Sinclair said that Laurie is "a wonderful role model for young people, and maybe that is her most important contribution to our future."