



Faces of Physics Presents:

Career Trajectories and Pluto

Dr. Tina Cartwright

April 21st, Thursday, 6:30-7:30pm ET

Presented Live on YouTube, Link Below:

<https://youtu.be/u3VwsQxyUtw>

Bio: Dr. Tina Cartwright is an assistant professor of education at Marshall University and former West Virginia State Climatologist. Her life-long interest in science began with a 7th grade project aimed at determining if cloud conditions can predict weather patterns. After teaching meteorology, she began to see that many students are underprepared for Science, Technology, Engineering and Math (STEM) studies. The goal to reverse that trend brought her to Marshall as program director for the MU-ADVANCE program, a National Science Foundation-funded initiative that seeks to advance women in academic science and engineering careers.

Dr. Cartwright is a WV first generation college student who graduated from West Virginia University and Florida State University. She received a Barry Goldwater Scholarship as an undergraduate and a NASA fellowship to support her PhD in meteorology from Florida State. She worked as a research meteorologist for Lincoln Laboratory and served as the WV State Climatologist before beginning her career at Marshall University as a science education professor.

Abstract: As a first-generation WV college student, Dr. Cartwright will speak about how she became interested in meteorology. She found unlikely streams of financial support to carry her through to her PhD in meteorology including fellowships with NASA. After obtaining her PhD and working at Lincoln Laboratory with MIT, her career took another turn toward science education as she currently is a Full Professor of science education at Marshall University. Just as our understanding of science changes (like Pluto), careers and interests are ever changing and we must be flexible and willing to keep learning and growing.

The Faces of Physics Speakers Series highlights the work of researchers from underrepresented groups to promote inclusion and inspire the next generation of scientists to see a place for themselves in the exciting field of physics. The Series is hosted and developed by the Marshall University Chapter of the Society of Physics Students (SPS) and has been funded over the years by the MU SPS Chapter, The American Institute of Physics, and The NASA West Virginia Space Grant Consortium. The Series has run at a pace of one talk per month during the academic years since fall 2020. To stay up to date on information pertaining to the Series, like upcoming speakers, sign up for the mailing list:

<https://forms.gle/3tjMMBo81sHjwmTb7>

