

Spring 2025 Colloquium

Physics and Astronomy, East Texas A&M University

Thursday, February 13, 2025

4:00 pm to 5:00 pm, McFarland Science Building 127

(coffee and cookies will be served at 3:50 pm)

The education field: training ground for the future of STEM in the US

Mark Ellermann
Northeast Texas Community College

Abstract

The education field acts as the training ground for the future of science, technology, engineering, and mathematics in the United States. We typically evaluate the quality of our educators on the basis of quantitative analysis from testing scores of current students and future success of past students. To fully appreciate the career of education, we must consider all facets of an educator's responsibilities and goals.



Mark Ellermann graduated from Texas A&M – Commerce in 2008 with a Bachelor of Science in Physics and Mathematics, and again in 2010 with a Master of Science in Physics, advised by Dr. Carlos Bertulani. After graduation, he worked in a general physics classroom at Texas Tech with Dr. Beth Thacker and Dr. Keith West while working on alternative certification to teach physics in High School. In 2012 Mark accepted a position at Ozona High School in Ozona, Texas, moving to Rankin High School in 2016, and then Northeast Texas Community College in 2017. Outside of work, Mark has been involved with the non-profit organization, Guardians of the Children (2010-2018) and teaches self defense at Mt Pleasant Martial Arts.