



Time: Thursday, September 28, 2023, 12:30pm -1:15pm

Location: Parker Building Room 301

Speaker: Diego Castano, Ph.D.
HCAS- Professor of Physics; NSU Florida.

Title: Excursions in Vector Calculus

Abstract: Vector calculus is an invaluable tool in much of physics – electromagnetism is a prime example. The use of vector calculus is highlighted in an exploration of the concept of inductance and a reconsideration of its calculation. A form of the standard equation for inductance that is more versatile is derived and applied in some examples.

The entire NSU community, including students at all levels of mathematics, is invited and encouraged to attend.

About the speaker: Dr. Diego Castano is a Professor of Physics at NSU Florida. He earned his Ph.D in Physics from the University of Florida in 1993. Dr. Castano joined NSU in 1998 and has served as a mentor and a professor to hundreds of NSU students. His current research projects center on physics and theoretical particle physics.

You will find more of Dr. Castano's extensive work on his profile page:

<https://works.bepress.com/diego-castano/>