



UNITED STATES
COAST GUARD
ACADEMY

Science Lecture Series

Schrödinger Shops at Stop & Shop

Dr. Rebecca Riley

Department of Physics, US Coast Guard Academy

If you've ever sat in a physics class and thought... "who CARES?!" -- this lecture is for you! Many of our modern technologies are built on the theoretical foundations laid by physicists, like quantum mechanics and general relativity. We will talk about what these theories are, how they upended our understanding of nature, and the development pipeline from theory to technology.

Thursday, March 26th, 2026

2000 - 2100

Dimick Auditorium

U.S. Coast Guard Academy

Dr. Rebecca 'Bex' Riley is a theoretical particle physicist and instructor at the US Coast Guard Academy. She earned her PhD from the University of California, Irvine with a dissertation on a hypothetical dark matter particle. Her thesis work was supported by a number of prestigious fellowships, including the National Science Foundation Graduate Research Fellowship, the UC Irvine Chancellor's Fellowship, and an ARCS Foundation Scholarship. Her research focus is on understanding the fundamental nature of the particles and interactions that make up our universe. Dr. Riley is also a private pilot and an EMT.

If you have any questions regarding the event, please contact Dr. Kanani K. M. Lee (kanani.km.lee@uscga.edu) for more information.