

College of Arts and Sciences

University of South Carolina

“The Dark Side of the Universe”

By **Katherine Freese, Ph.D.**, Director of Nordic Institute for Theoretical Physics (Nordita) in Stockholm, and the George E. Uhlenbeck Professor of Physics at the University of Michigan

Thursday, November 19, 2015

6:00 p.m.

**University of South Carolina’s Alumni Center
900 Senate Street**

Book signing immediately following lecture

This lecture is free and open to the public

Parking is available in the Lincoln Street Parking Garage for a minimal fee



The ordinary atoms that make up the known universe, from our bodies and the air we breathe to the planets and stars, constitute only 5% of all matter and energy in the cosmos. The remaining 95% is made up of a recipe of 25% dark matter and 70% dark energy.

In this talk Dr. Freese will provide an overview of this cosmic cocktail, including the evidence for the existence of dark matter in galaxies. She will emphasize the seminal role of Professor Frank Avignone in pioneering this revolutionary field of science. Many cosmologists believe we are on the verge of solving this mystery and this talk will provide the foundation needed to fully fathom this epochal moment in humankind’s quest to understand the universe.

*This lecture is in honor of
Dr. Frank T. Avignone III
for 50 Years of Teaching at the University of South Carolina*



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