

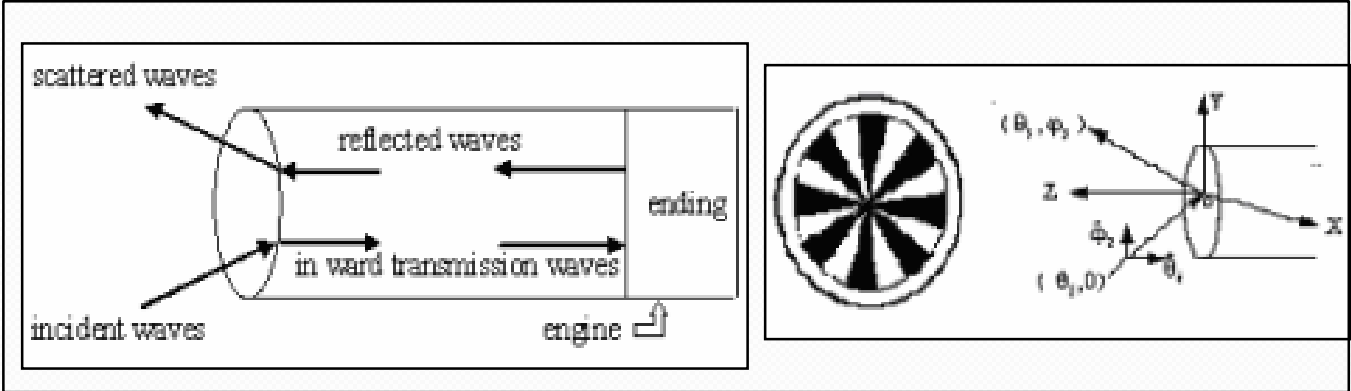


Dr. Robert P. Penno

Radar Signal Processing, Antennas and Antenna Arrays

Dr. Penno is involved in several different areas of research that blend certain aspects of antennas and antenna array theory with radar signal processing. From the development of a high fidelity simulation of a propagating radar signal, and the antenna that loses it into the atmosphere, to processing of that signal upon its returns, this research follows a common theme of investigating practical applications of high frequency phenomena.

High Fidelity Simulation of Radar Return



Development of the Inhomogeneous Leaky Wave Antenna



Beamforming with Arrays of Variable Spacing

