

0.1 Professional Background

0.2 The History of IceCube, Cosmic Rays, and Neutrinos from Deep Space

0.2.1 Why Antarctica?

0.2.2 Radio Expansions: IceCube Generation 2

0.3 My Professional Background

0.3.1 Prior to Whittier College

0.3.2 Successes with Our Students at Whittier College

0.3.3 Forming Connections with the Office of Naval Research

0.4 Five Areas of Focus

0.4.1 Computational Electromagnetism

0.4.2 Mathematical Physics

0.4.3 Firmware, Software, and Hardware Development

0.4.4 Open-source Antenna Design

0.4.5 Drone Development and The Whittier Scholars Program

0.5 Invitation to Become a Member Institution of IceCube