

## GOING TO THE ENDS OF THE EARTH TO STUDY THE BEGINNINGS OF TIME

Brian Keating, PhD, Associate Professor of Physics, Center for Astrophysics and Space Sciences

It all began 13.8 billion years ago... Professor Brian Keating will discuss his experiments in far-flung locations such as the South Pole, Antarctica and the POLARBEAR project: a collaboration of astronomers working on a telescope in the high-altitude Atacama desert of northern Chile that is exploring the properties of the universe as it was in the first moments following the Big Bang.

Professor Keating is an Astrophysicist at UC San Diego's Center for Astrophysics & Space Sciences. The Center for Astrophysics and Space Sciences is the home of the UC San Diego cosmology research group that studies the cosmic microwave background and the near-infrared background; he will enlighten us on what exactly that means!