

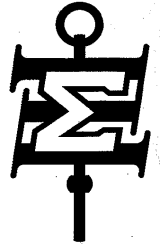
# Science & Society Distinguished Public Talks

Co-sponsored by the UNM Chapter of Sigma Xi, The Scientific Research Honor Society, the Albuquerque Section of the Institute of Electrical & Electronic Engineers (IEEE) and its Life Members Affinity Group, Sigma Xi (the Scientific Research Honor Society), the UNM Department of Physics & Astronomy, and the UNM Division of Continuing Education.



*Presents*

## Why Are We Here? The Mystery of Matter By Wick Haxton



**Thursday, November 16, 2017 5:30 PM**  
**Meet and Greet at 5**

The University of New Mexico Conference Center, Auditorium  
1634 University Blvd. NE  
**Free and Open to the Public**

***Pizza with the speaker will follow the lecture***

**Wick Haxton** is a theorist at UC Berkeley who works on neutrino and nuclear astrophysics. His early research career included seven years with the Los Alamos Theory Division, where he was a J. Robert Oppenheimer Fellow and scientific staff member. He then spent 25 years as a professor at the University of Washington, including 15 years as director of the Institute for Nuclear Theory, the Department of Energy's national center for the field, before moving to UC Berkeley in 2009. Haxton is a Fellow of the American Physical Society (1987), the American Association for the Advancement of Science (1988), and American Academy of Arts and Sciences (1999); and a member of the National Academy of Sciences (1999).

**Abstract:** One of the unsolved mysteries of our universe is why it contains matter: why the universe, in the Big Bang, failed to create equal amounts of matter and antimatter, which would then annihilate against each other, leaving only radiation. Instead, there was a small primordial excess of matter over antimatter. I will discuss the consequences of this excess as the universe evolved, leading ultimately to us..