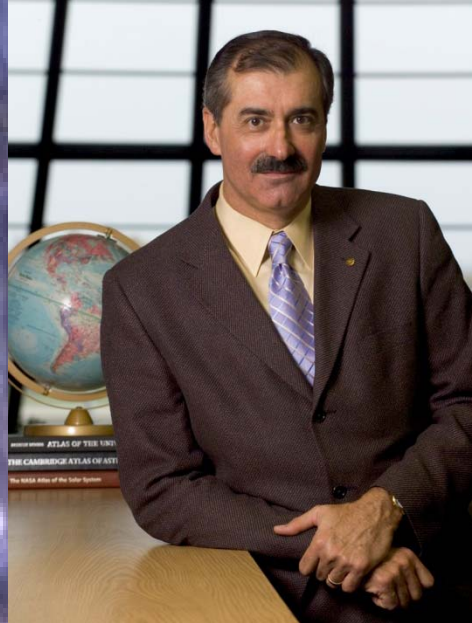


The Reverend George V. Coyne, S.J. Lecture in Astronomy and Astrophysics

Will be presented by

Edward W. (Rocky) Kolb

Director of the Particle Astrophysics Center at Fermilab



The Quantum and the Cosmos

Long before the emergence of planets, stars, or galaxies, the universe consisted of an exploding quantum soup of "elementary" particles. Encoded in this formless, shapeless soup were seeds of cosmic structure, which over billions of years grew into the beautiful and complex universe we observe today. The lecture will explore the connection between the "inner space" of the quantum and the "outer space" of the cosmos. The inner space/outer space connection may hold the key to the nature of the dark matter holding together our galaxy and the mysterious dark energy pulling apart our universe.

Tuesday, January 30, 2007, 7:00 p.m.
The Weasler Auditorium
Marquette University