We begin this talk with a brief overview of the history of the Universe, starting with inflation and the origins of structure, and ending with a discussion of how we will soon be able to “hear” the Universe and potentially listen to its birth cries. Some of the fundamental questions regarding the evolution of the Universe, such as inflation and the nature of dark energy will be addressed by missions within NASA’s Beyond Einstein Program. These missions will be described, including one that will allow us to “hear” the Universe in a new spectrum.

TIME: 3:30-4:30 pm, Thursday the 3rd of April 2008

PLACE: 101 Corcoran Hall, GWU

725 21st Street, N.W. (Between G and H Streets)

METRO STATION: GWU/FOGGY BOTTOM (BLUE & ORANGE LINES)