The Gamma-ray Large Area Space Telescope, GLAST, is an upcoming mission to measure the cosmic gamma-ray flux in the energy range 20 MeV to >300 GeV, with supporting measurements for gamma-ray bursts from 10 keV to 25 MeV. With its launch in late 2007, GLAST will open a new and important window on a wide variety of high-energy phenomena, including black holes and active galactic nuclei, gamma-ray bursts, the origin of cosmic rays and supernova remnants, and searches for hypothetical new phenomena such as supersymmetric dark matter annihilations. In addition to the science opportunities, this talk will include a description of the instruments, the collaboration of particle physicists and astrophysicists, and the mission status.